University of Pretoria Yearbook 2019

Faculty of Education

Welcome to the Faculty of Education
In the undergraduate programme, one of the innovations is to dramatically increase the amount of time spent by pre-service teachers on the school-site under the mentorship of highly competent mentor teachers who are trained and supported by the University. This model of learning to teach through on-site observation and practice (rather than through extended periods of theoretical training) has given our students a definite advantage in the market with the result that all of them find placement in schools well ahead of completion of their studies.

In the postgraduate programme, the Faculty has sharply increased selectivity into our master's and PhD programmes to ensure that the quality of research and the culture of research is built around a group of highly motivated and highly intelligent students who would make a major national and international contributions in their fields of professional endeavour.

Faculty regulations and information

The rules for the degrees published here are subject to change and may be amended after the publication of this information.

The General Regulations (referred to as G.1-G.56) and General Rules apply to all faculties of the University of Pretoria. It is expected of all students to familiarise themselves well with these regulations and rules as well as all faculty-specific and programme-specific regulations and information as stipulated in the online yearbook. Ignorance concerning these regulations will not be accepted as an excuse for any transgression.

1. Selection
A selection procedure takes place prior to admission to:

- all undergraduate programmes;
- all postgraduate certificate programmes (PGCE and PGCHE); and
- all BEd honours, master’s and doctoral programmes.

2. Examinations

2.1 Examination admission and pass requirements
A subminimum of 40% is required for the year and/or semester mark for admission to the examination in each module. A student who obtains a final mark of 40 – 49% in a module qualifies for a supplementary examination. If a pass mark has been obtained in a module, but the required sub-minimum of 40% has not been obtained in the examination, the student will have to write a supplementary examination. A final mark of at least 50% is required to pass a module.

2.2 Examination periods
The examinations for first semester modules take place in May/June, while all other examinations (second semester and year modules) take place in October/November.

2.3 Ancillary examinations
After completion of an examination and before the examination results are published, the examiners may summon a student for an ancillary examination on particular aspects of the work of that module.

2.4 Aegrotat/extraordinary examinations

Students, who do not write their examinations on the scheduled day, may apply for an aegrotat/extraordinary examination at the Student Administration Offices. Lecturers are not allowed to grant any permission for this category of examination. It is the responsibility of the student to ascertain whether his/her request has been successful. If permission has been granted, the student must write the aegrotat/extraordinary examination during the supplementary examination. Such a student will not qualify for a further supplementary examination.

Application for the above examination must be handed in at the Student Administration Offices together with a valid medical certificate not later than three working days after the module should have been written.

A student who has been granted permission to write an aegrotat/extraordinary examination and who then fails to write the examination will not qualify to submit any such application at a later stage.

A medical certificate will not be accepted where it states that a student appeared ill or declared him-/herself unfit to write the examination. A medical certificate will not be accepted if it does not contain the physical address and telephone number of the doctor/medical practice.

In cases where a reason other than sickness is relied upon, the student must submit an affidavit that reflects the reason for his/her absence from the examination. Further evidentiary documents or supporting affidavits from persons who may be able to give evidence regarding the situation must also be submitted. In the event of a funeral, a copy of the death certificate of the deceased or other substantiating evidence is required together with an explanation of the relationship between the student and the deceased.

2.5 Re-marking of examination papers

After an examination, departments give feedback to students about the framework that was used by the examiners during the examination. The way in which feedback is given is determined by the departmental heads. A student may, after having perused his/her examination paper, apply for re-marking of the examination paper within 14 calendar days after commencement of lectures in the next semester. The prescribed fee has to be paid. The paper will then be re-marked by an external examiner appointed by the relevant head of department.

2.6 Supplementary examinations

i. Supplementary examinations in first semester modules take place after the May/June examinations, while those in second semester and year modules take place after the October/November examinations.
ii. Subject to other faculty regulations, a student may be admitted to a supplementary examination in a module, in cases where:

- a final mark between 40% and 49% has been obtained; or
- a pass mark has been obtained, but the required subminimum in the examination section of the module or divisions thereof has not been obtained.

iii. Subject to other faculty regulations, a student must obtain a final mark of at least 50% in order to pass a supplementary examination. The semester or year mark is not taken into account and the supplementary mark is the final mark.
iv. The highest final mark that may be awarded to a student in a supplementary examination is 50%.
v. Special supplementary examinations are not arranged for students who are unable to write the examination at the times scheduled for supplementary examinations.

3. Promotion requirements

i. Re-registration is permitted only:

- in the case of full-time students, if the student has passed at least the equivalent of four semester modules in a particular year of study, with the proviso that faculty boards may stipulate other requirements for progress that students must comply with in order to be readmitted. Academic information management (AIM) modules are

not calculated towards the number of modules passed;

- in the case of full-time students, if the student completes the degree for which he or she is still registered within the prescribed minimum period plus two years: with the proviso that faculty boards may stipulate other requirements for progress that students must comply with in order to be readmitted.

ii. A student who does not comply with the requirements in (i) and who seeks readmission to the faculty may submit a written request to the Dean that his or her application for readmission to the faculty be (ii)considered in terms of the set procedure.

iii. These requirements are mutatis mutandis applicable to students from other tertiary institutions who register at the University.

Students can be promoted to the fourth year of study only if all the modules of the first three years have been passed.

Responsible and ethical research

All research projects in the Faculty of Education are subject to prior approval and clearance from the Research Ethics Committee which implements the University of Pretoria's regulations for responsible and ethical research. All researchers (staff and students) of the University of Pretoria have to familiarise themselves with the Ethics Committee's guidelines which are available at the following email address: ethics.education@up.ac.za.

Regulations and information for Distance Education programmes

1. Registration for a particular year of study

On successful application a student will be registered for the complete programme.

2. Registration for examination

A student registers for a programme before 1 September to write examination in April of the following year, or before 1 March to write examination in October of the same year.

3. Examination admission and pass requirements

3.1 BEdHons (Education Management, Law and Policy)

A final mark of at least 50% is required to pass a module. The final mark iscalculated by using the following three marks: assignment 1 = 10%; assignment 2 = 20% and the examination/project = 70%.

3.2 Examinations

Examinations take place twice a year, (during April and October), at examination centres countrywide. Students must register for examinations as stipulated in paragraph 2 above.

3.3 Re-marking of examination papers (also consult General Regulation G.14)

After an examination, students may request written feedback about the framework that was used by the examiners during the examination. The departmental heads determine the way in which feedback is given. A student may apply for re-marking of the examination paper within 3 weeks of the date on which final marks were released. The prescribed fee has to be paid. An examiner, appointed by the relevant head of department, will re-mark the paper.

4. Re-registration for a module

If a student failed the examination in a module twice, the student will be de-registered for that module and will have to reregister for the module. A student who re-registers for a module has to pay the fees for that module again, and will have to resubmit both assignments 1 and 2. Assignment marks obtained previously will not be carried over.

5. Termination of studies

A student, who decides to terminate his or her studies during the course of the academic year, must notify the Unit for Distance Education in writing.

Undergrad Diploma/Certificate

Higher Certificate Sport Science Education (09110001)

Minimum duration of study	1 year
Contact	Dr JP Joubert jaco.joubert@up.ac.za +27 (0)124206150

Programme information

This programme provides a basis for knowledge and skills development to improve athlete performance by means of physical assessment, exercise and conditioning prescription, and research. It aims to develop coaches who can function successfully in an interdisciplinary environment in order to improve athletes' and sports teams' performances using the latest techniques and research. It will therefore strive towards internationally recognised academic excellence, but with local relevance. The programme will create an ideal learning environment incorporating lectures, tutorials, practical sessions, and problem solving. Students will receive teaching and training by leaders in the field of Sports Science and coaching. Students will get the opportunity to work with various sporting codes and athletes of various skill levels. Upon completion, it will provide students wanting to further their studies with the opportunity to apply for the BEd degree in the Faculty of Education, provided that a student is in possession of an NSC and complies with the minimum requirements for admission to a bachelor's degree.

Admission requirements

- The following persons will be considered for admission: a candidate who is in possession of a certificate that is deemed by the University to be equivalent to the required Grade 12 certificate with university or diploma endorsement; a candidate who is a graduate from another tertiary institution or has been granted the status of a graduate of such an institution; and a candidate who is a graduate of another faculty at the University of Pretoria.
- Life Orientation is excluded in the calculation of the APS.
- For selection purposes the sum of the results in six subjects, including English, is calculated.
- Grade 11 final examination results will be used for the provisional admission of prospective students.
- Applicants who indicate Higher Certificate in Sports Science as first or second choice will be considered.
- All applicants will be considered by the Student Administration of the Faculty based on the admission requirements.
- Applicants that meet the academic requirements, will then be further considered in collaboration with TuksSport for the different Sports Codes according to their sport achievements.
- Selection is based on Grade 11 results and Grade 12 sporting achievements. Please take note that places for the Higher Certificate in Sports Science are preferentially offered to applicants who are nominated by one of the official UP sports clubs.

Minimum requirements

Achievement level		
English Home Language or English First Additional Language		**APS**
NSC/IEB	AS Level	
4	D	**20**

* Cambridge A level candidates who obtained at least a D in the required subjects, will be considered for admission. International Baccalaureate (IB) HL candidates who obtained at least a 4 in the required subjects, will be considered for admission.

Curriculum: Final year

Minimum credits: 120

Fundamental modules

Academic orientation 109 (UPO 109) - Credits: 0.00

Core modules

Life orientation 150 (JLO 150) - Credits: 12.00
Literacies in education 150 (JLZ 150) - Credits: 6.00
Literacies in education 151 (JLZ 151) - Credits: 6.00
Human movement studies and sport management 114 (JMB 114) - Credits: 8.00
Human movement studies and sport management 116 (JMB 116) - Credits: 8.00
Human movement studies and sport management 125 (JMB 125) - Credits: 8.00
Sports practical (Basic) 150 (JRC 150) - Credits: 32.00
Foundations of recreation and sports management 111 (JRM 111) - Credits: 8.00
Sport injuries 141 (JXE 141) - Credits: 10.00
Fundamental nutrition 143 (JXE 143) - Credits: 8.00
Exercise and training principles 151 (JXE 151) - Credits: 8.00
Coaching professionalism 151 (JXP 151) - Credits: 8.00

Undergraduate Degree

BEd Foundation Phase Teaching (09133011)

Minimum duration of study	4 years

Admission requirements

- The following persons will be considered for admission: a candidate who is in possession of a certificate that is deemed by the University to be equivalent to the required Grade 12 certificate with university endorsement; a candidate who is a graduate from another tertiary institution or has been granted the status of a graduate of such an institution; and a candidate who is a graduate of another faculty at the University of Pretoria.
- Life Orientation is excluded when calculating the APS.
- Prospective students with an APS of 26-27 must write the National Benchmark Test (NBT). Final admission is determined by the Admissions Committee of the Faculty and is based on the results of the NBT.
- As soon as candidates are admitted to the BEd degree, they will be informed that they must register at the University in January of the following year. It is in the interest of prospective students to apply as soon as possible, particularly in respect of financial support and/or residence placement.

Minimum requirements

Achievement level		
English Home Language or English First Additional Language		**APS**
NSC/IEB	AS Level	
4	D	**28 (26 - 27 admission based on the NBT)**

* Cambridge A level candidates who obtained at least a D in the required subjects, will be considered for admission. International Baccalaureate (IB) HL candidates who obtained at least a 4 in the required subjects, will be considered for admission.

Other programme-specific information

Module description	**Module code**
Fundamental modules	
Academic information management	AIM 101 or AIM 111, 121
Literacies in education	JLZ 110, 120 or JLZ 111, 121
First aid	JNH 454
Core modules	
Education	OPV 112, 122 OPV 212, 222 OPV 312, 322
Literacies in education	JLZ 300
Research project	JNM 461, 464

Teaching practice	PRO 280 PRO 380 PRO 452, 453
Health and safety	JGV 210
Foundation phase mathematics	JGS 121 JGS 211 JGS 212
Literacy practices	JGL 110 JGL 200 JGL 311 JGL 461 JGL 464
Human movement studies	JMB 124
Learning support	JLD 220
ECD-studies	JVK 130
Professional practice	JFP 111 JFP 451
Arts and culture	JLK 110, 120
NS and technology	JST 320
Life skills programme	JLP 220
Methodology of learning support	JMD 351
ECD-studies **or** Learning support	JVK 400 **or** JLD 400
Elective modules **One of the following African Languages must be chosen at first-year level and should also be taken at second-year level.**	
IsiZulu	For beginners: ZUL 110, 120 ZUL 210, 220 For speakers of IsiZulu as a home language or 1st or 2nd additional language: ZUL 111, AFT 121 ZUL 211, AFT 220
Sepedi	For beginners: SEP 110, 120 SEP 210, 220 For speakers of Sepedi as home language or 1st or 2nd additional language: SEP 111, AFT 121 SEP 211, AFT 220

Setswana	For beginners: STW 110, STW 120 STW 210, STW 220 For speakers of Setswana as home language or 1st or 2nd additional language: STW 111, AFT 121 STW 211, AFT 220	
IsiNdebele (Only for speakers of isiNdbele as a home language or first or second additional language)	NDE 110, AFT 121 NDE 210, AFT 220	

Class attendance

The teacher education programmes of the Faculty of Education have been approved and accredited by the Department of Education. Due to the fact that the Faculty places high emphasis on the development of skills and competences, class attendance is compulsory for all student teachers for the full duration of the training period specified by SAQA (South African Qualification Authority).

Programme delivery

The PGCE consists of a university-based learning (UBL) component and a school-based learning (SBL) component. The UBL component is presented in the format of learning shops during which students construct a practice theory of and for education. For the purpose of the SBL component, students are placed in two partnership schools with different compositions for 6 weeks each (a total of 12 weeks), during which they engage in education practice while they are supported and assessed by qualified mentor teachers and university mentor lecturers.

Examinations and pass requirements

Special examinations

- A third-year student who has failed a maximum of four semester modules or the equivalent thereof, with a final mark of at least 40% in each, may be admitted by the Dean to a special examination in those modules during January of the following year, provided that this will enable the student to comply with all requirements for promotion to the fourth year of study.
- A final-year BEd student requiring a maximum of 4 semester modules or the equivalent thereof to complete his or her degree, with a final mark of 40% in each, may be admitted to a special examination, during January of the following year. If the special examination is conducted before 1 February, a student is not required to register again and the examination is treated as a supplementary examination. If the special examination is conducted on or after 1 February, the student must register again for the module(s) in question and the lecturer may require that a semester mark be obtained in an appropriate manner. In such a case, the result of the examination will not be taken into consideration with a view to the graduation ceremonies in March/April.

Pass with distinction

The degree is conferred with distinction to a student who obtains an overall weighted average (GPA) of 75% or higher in the BEd programme, with the condition that the degree is completed in the prescribed 4 years.

Curriculum: Year 1

Minimum credits: 170

Fundamental modules

Academic information management 101 (AIM 101) - Credits: 6.00
Academic information management 111 (AIM 111) - Credits: 4.00
Academic information management 121 (AIM 121) - Credits: 4.00
Literacies in education 110 (JLZ 110) - Credits: 6.00
Literacies in education 111 (JLZ 111) - Credits: 6.00
Literacies in education 120 (JLZ 120) - Credits: 6.00
Literacies in education 121 (JLZ 121) - Credits: 6.00
Academic orientation 109 (UPO 109) - Credits: 0.00

Core modules

Professional practice 111 (JFP 111) - Credits: 6.00
Literacy practices: English 110 (JGL 110) - Credits: 6.00
Foundation phase mathematics 121 (JGS 121) - Credits: 6.00
Arts and culture 110 (JLK 110) - Credits: 6.00
Arts and culture 120 (JLK 120) - Credits: 6.00
Human movement studies 124 (JMB 124) - Credits: 6.00
Early childhood development studies 130 (JVK 130) - Credits: 12.00
Education 112 (OPV 112) - Credits: 12.00
Education 122 (OPV 122) - Credits: 12.00

Elective modules

African languages literature: Capita selecta 121 (AFT 121) - Credits: 12.00
Introduction to isiNdebele Grammar – Capita selecta 110 (NDE 110) - Credits: 12.00
Sepedi for beginners 110 (SEP 110) - Credits: 12.00
Introduction to Sepedi grammar - Capita Selecta 111 (SEP 111) - Credits: 12.00
Sepedi 120 (SEP 120) - Credits: 12.00
Setswana for beginners 110 (STW 110) - Credits: 12.00
Introduction to Setswana grammar – capita selecta 111 (STW 111) - Credits: 12.00
Setswana 120 (STW 120) - Credits: 12.00
isiZulu for beginners 110 (ZUL 110) - Credits: 12.00
Introduction to isiZulu grammar – Capita selecta 111 (ZUL 111) - Credits: 12.00
isiZulu 120 (ZUL 120) - Credits: 12.00

Curriculum: Year 2

Minimum credits: 170

Core modules

Literacy practices: English 200 (JGL 200) - Credits: 12.00
Foundation phase mathematics 211 (JGS 211) - Credits: 12.00
Foundation phase mathematics 212 (JGS 212) - Credits: 12.00
Health and safety 210 (JGV 210) - Credits: 6.00
Learning support 220 (JLD 220) - Credits: 12.00
Life skills programme 220 (JLP 220) - Credits: 12.00
Education 212 (OPV 212) - Credits: 20.00

Education 222 (OPV 222) - Credits: 20.00
Teaching practice 280 (PRO 280) - Credits: 6.00

Elective modules

African languages literature: Capita selecta 220 (AFT 220) - Credits: 20.00
isiNdebele 210 (NDE 210) - Credits: 20.00
Sepedi 210 (SEP 210) - Credits: 20.00
Sepedi grammar – Capita selecta 211 (SEP 211) - Credits: 20.00
Sepedi 220 (SEP 220) - Credits: 20.00
Setswana 210 (STW 210) - Credits: 20.00
Setswana Grammar – Capita Selecta 211 (STW 211) - Credits: 20.00
Setswana 220 (STW 220) - Credits: 20.00
isiZulu 210 (ZUL 210) - Credits: 20.00
IsiZulu grammar – Capita selecta 211 (ZUL 211) - Credits: 20.00
isiZulu 220 (ZUL 220) - Credits: 20.00

Curriculum: Year 3

Minimum credits: 170

Core modules

Literacy practices: English 311 (JGL 311) - Credits: 6.00
Literacies in education 300 (JLZ 300) - Credits: 12.00
Methodology of Learning support 351 (JMD 351) - Credits: 6.00
Natural science and technology 320 (JST 320) - Credits: 12.00
Education 312 (OPV 312) - Credits: 30.00
Education 322 (OPV 322) - Credits: 30.00
Teaching practice 380 (PRO 380) - Credits: 6.00

Curriculum: Final year

Minimum credits: 170

Fundamental modules

Professional practice 471 (JFP 471) - Credits: 3.00

Core modules

Professional practice 451 (JFP 451) - Credits: 12.00
Geletterdheidspratyke: Afrikaans 461 (JGL 461) - Credits: 6.00
Literacy practices: English 464 (JGL 464) - Credits: 6.00
Learning support 400 (JLD 400) - Credits: 24.00
Research project 461 (JNM 461) - Credits: 12.00
Research project 464 (JNM 464) - Credits: 12.00
Early childhood development studies 400 (JVK 400) - Credits: 24.00
Teaching practice 452 (PRO 452) - Credits: 28.00
Teaching practice 453 (PRO 453) - Credits: 28.00

BEd Intermediate Phase Teaching (09133021)

Minimum duration of study	4 years

Admission requirements

- The following persons will be considered for admission: a candidate who is in possession of a certificate that is deemed by the University to be equivalent to the required Grade 12 certificate with university endorsement; a candidate who is a graduate from another tertiary institution or has been granted the status of a graduate of such an institution; and a candidate who is a graduate of another faculty at the University of Pretoria.
- Life Orientation is excluded when calculating the APS.
- Prospective students with an APS of 26-27 must write the National Benchmark Test (NBT). Final admission is determined by the Admissions Committee of the Faculty and is based on the results of the NBT.
- As soon as candidates are admitted to the BEd degree, they will be informed that they must register at the University in January of the following year. It is in the interest of prospective students to apply as soon as possible, particularly in respect of financial support and/or residence placement.

Minimum requirements		
Achievement level		
English Home Language or English First Additional Language		**APS**
NSC/IEB	AS Level	
4	D	**28 (26 - 27 admission based on the NBT)**

* Cambridge A level candidates who obtained at least a D in the required subjects, will be considered for admission. International Baccalaureate (IB) HL candidates who obtained at least a 4 in the required subjects, will be considered for admission.

Other programme-specific information

Please note: The following is effective as from 2016:

WTW 124 Calculus and algebra 124

(Replaces WTW 126 and WTW 128)

WTW 146 Linear algebra 146, and WTW 148 Calculus 148

(Available to BEd students who take only a single full year of Mathematics as an elective with either WTW 114 or WTW 134 as first semester module.)

WTW 161 Linear algebra 161, and WTW 168 Calculus 168

(May be added to lists as alternatives used for recognition to replace WTW 126 and 128 or WTW 146 and 148, but are not available for BEd students.)

JNH 454 First aid

(First aid is also compulsory, only for all students who take Human Movement Studies and Sport Management as elective up to 3rd year level.)

Module description	Module code
Fundamental modules	

Academic information management	AIM 101 or AIM 111, 121
Literacies in education	JLZ 110, 120 or JLZ 111, 121
Professional practice *First Aid	JFP 471 *JNH 454
Core modules	
Conversational Competence: One of: IsiZulu, Sepedi, Setswana (An exemption exam can be written)	CCZ 100, or CCI 100, or CCW 100
Literacies in education	JLZ 300
Education	OPV 112, 122 OPV 212, 222 OPV 312, 322
Research project	JNM 461, 464
Teaching practice	PRO 280 PRO 380 PRO 452, 453
Professional studies	JPS 121
Learning support (Students who choose Natural science or Design and technology as a specialisation module on third year level do not have to take JLD 320)	JLD 220 JLD 320
Methodology of E-Learning	JLT 330
Fundamental Mathematics Concepts (Not required if Mathematics is chosen as elective)	JWI 181
Methodology of English first additional language	JME 210

Basic economic and management sciences (Not required if Mathematics and Science and Technology are taken as full electives)	JLE 181
Elective modules Choose two electives at first-year level of which **one must be a language**. These electives should also be taken up to second year level, of which the language taken at first- year level must be one of the second year electives. Continuing the elective to third-year level is considered an optional extra. If **Intermediate Mathematics** is chosen as an elective, all modules listed must be taken. If **Science and Technology** is chosen as an elective all modules in the combination have to be taken. Students who choose **History** or **Geography** as an elective must take all first year modules for both subjects, and then choose either Geography or History on second year-level. Both methodologies of History and Geography must be taken at second-year level, and the third and fourth year methodologies are taken according to the subject chosen to second year. **Modules are chosen according to the class timetable.** **NO TIMETABLE CLASHES ARE ALLOWED**	
IsiZulu	For beginners: ZUL 110, 120 ZUL 210, 220 For speakers of IsiZulu as a home language or 1st or 2nd additional language: ZUL 111, AFT 121 ZUL 211, AFT 220

Sepedi	For beginners: SEP 110, 120 SEP 210, 220 For speakers of Sepedi as home language or 1st or 2nd additional language: SEP 111, AFT 121 SEP 211, AFT 220	
IsiNdebele (Only for speakers of isiNdbele as a home language or first or second additional language)	NDE 110, AFT 121 NDE 210, AFT 220	
Setswana	For beginners: STW 110, 120 STW 210, 220 For speakers of Setswana as home language or 1st or 2nd additional language: STW 111, AFT 121 STW 211, AFT 220	
Afrikaans If taken for First Language Teaching, all modules must be taken (including JAF 361).	AFR 110, 120 AFR 214, 220 JAF 361	
English If taken for First Language Teaching, all modules must be taken (including JEN 361).	ENG 110, 120 ENG 210, 220 JEN 361	
Intermediate mathematics	WTW 133, 143 JWI 210, 220 JWI 310, 320	
JLD 320 and JLE 181 are not required if Mathematics is taken together with this elective.		
Natural science and Design and technology	JWT 115, 125 JWT 230, JOT 240 JWT 315, 325	

Students can only choose only one of Art Education or Music Education or Life Orientation and Human Movement Studies and Sport management and need to take all listed modules. In the case of Music Education either beginners or advanced level is chosen at first year level.	
Art education	JKG 100, JKU 101 JKG 200, JKU 201
Music education	Beginners: JMO 181, 182 Advanced: JMO 101, 102 JMO 201, 202, 203, 204
Life orientation and Human movement studies and sport management (must be taken together)	JLO 110, 120 JLO 210, 220 JMB 112, 113, 122, 123 JMB 212, 213, 222, 223
Students choose either History or Geography at second- year level but take all listed first year modules.	
Geography and History	GGY 156, 166 WKD 164, ENV 101 GES120 GGY 252, 266, 283
History and Geography	GES 110, 120 GGY 156, 166 WKD 164, ENV 101 GES 210, 220
Methodology of elective modules. Choose 2 methodologies in accordance with the electives modules chosen, of which one methodology must be the chosen language methodology. The same methodologies will be taken on second-, third- and fourth-year level.	
Methodology of Afrikaans	JMA 200, 300, 451, 454
Methodology of English	JME 200, 300, 451, 454
Methodology of IsiZulu	JZL 200, 300, 451, 454
Methodology of Sepedi	JSP 200, 300, 451, 454
Methodology of IsiNdebele	JND 200, 300, 451, 454

Methodology of Setswana	JSW 200, 300, 451, 454
Methodology of Geography	JMG 200, 300, 451, 454
Methodology of History	JMH 200, 300, 451, 454
Methodology of Art education	JMK 201, 301, 451, 454
Methodology of Music education	JMM 200, 300, 451, 454
Methodology of Life Orientation (JLO) and Physical Education (JMB)	JML 201, 301, 461, 464
Methodology of Intermediate Mathematics/ Mathematics	JMW 203, 300, 451, 454
Methodology of Science and Technology	JMN 204, 304, 451, 454

Class attendance

The teacher education programmes of the Faculty of Education have been approved and accredited by the Department of Education. Due to the fact that the Faculty places high emphasis on the development of skills and competences, class attendance is compulsory for all student teachers for the full duration of the training period specified by SAQA (South African Qualification Authority).

Programme delivery

The PGCE consists of a university-based learning (UBL) component and a school-based learning (SBL) component. The UBL component is presented in the format of learning shops during which students construct a practice theory of and for education. For the purpose of the SBL component, students are placed in two partnership schools with different compositions for 6 weeks each (a total of 12 weeks), during which they engage in education practice while they are supported and assessed by qualified mentor teachers and university mentor lecturers.

Examinations and pass requirements

Special examinations

- A third-year student who has failed a maximum of four semester modules or the equivalent thereof, with a final mark of at least 40% in each, may be admitted by the Dean to a special examination in those modules during January of the following year, provided that this will enable the student to comply with all requirements for promotion to the fourth year of study.
- A final-year BEd student requiring a maximum of 4 semester modules or the equivalent thereof to complete his or her degree, with a final mark of 40% in each, may be admitted to a special examination, during January of the following year. If the special examination is conducted before 1 February, a student is not required to register again and the examination is treated as a supplementary examination. If the special examination is conducted on or after 1 February, the student must register again for the module(s) in question and the lecturer may require that a semester mark be obtained in an appropriate manner. In such a case, the result of

the examination will not be taken into consideration with a view to the graduation ceremonies in March/April.

Pass with distinction

The degree is conferred with distinction to a student who obtains an overall weighted average (GPA) of 75% or higher in the BEd programme, with the condition that the degree is completed in the prescribed 4 years.

Curriculum: Year 1

Minimum credits: 170

Electives

Fundamental modules

Academic information management 101 (AIM 101) - Credits: 6.00
Academic information management 111 (AIM 111) - Credits: 4.00
Academic information management 121 (AIM 121) - Credits: 4.00
Literacies in education 110 (JLZ 110) - Credits: 6.00
Literacies in education 111 (JLZ 111) - Credits: 6.00
Literacies in education 120 (JLZ 120) - Credits: 6.00
Literacies in education 121 (JLZ 121) - Credits: 6.00
Academic orientation 109 (UPO 109) - Credits: 0.00

Core modules

Conversational Competence: Sepedi 100 (CCI 100) - Credits: 12.00
Conversational Competence: Setswana 100 (CCW 100) - Credits: 12.00
Conversational Competence: IsiZulu 100 (CCZ 100) - Credits: 12.00
Basic economic and management sciences 181 (JLE 181) - Credits: 12.00
Professional studies 121 (JPS 121) - Credits: 6.00
Fundamental mathematical concepts 181 (JWI 181) - Credits: 6.00
Education 112 (OPV 112) - Credits: 12.00
Education 122 (OPV 122) - Credits: 12.00

Elective modules

Afrikaans 110 (AFR 110) - Credits: 12.00
Afrikaans 120 (AFR 120) - Credits: 12.00
African languages literature: Capita selecta 121 (AFT 121) - Credits: 12.00
English 110 (ENG 110) - Credits: 12.00
English 120 (ENG 120) - Credits: 12.00
Introduction to environmental sciences 101 (ENV 101) - Credits: 8.00
History 110 (GES 110) - Credits: 12.00
History 120 (GES 120) - Credits: 12.00
Aspects of human geography 156 (GGY 156) - Credits: 8.00
Southern African geomorphology 166 (GGY 166) - Credits: 8.00
Art education 100 (JKG 100) - Credits: 6.00
Art education 101 (JKU 101) - Credits: 18.00
Life orientation 110 (JLO 110) - Credits: 12.00
Life orientation 120 (JLO 120) - Credits: 12.00
Human movement studies and sport management 112 (JMB 112) - Credits: 6.00
Human movement studies and sport management 113 (JMB 113) - Credits: 6.00

Human movement studies and sport management 122 (JMB 122) - Credits: 6.00
Human movement studies and sport management 123 (JMB 123) - Credits: 6.00
Music education 101 (JMO 101) - Credits: 16.00
Music education 102 (JMO 102) - Credits: 8.00
Music education 181 (JMO 181) - Credits: 16.00
Music education 182 (JMO 182) - Credits: 8.00
Natural science 115 (JWT 115) - Credits: 8.00
Natural science 125 (JWT 125) - Credits: 8.00
Introduction to isiNdebele Grammar – Capita selecta 110 (NDE 110) - Credits: 12.00
Sepedi for beginners 110 (SEP 110) - Credits: 12.00
Introduction to Sepedi grammar - Capita Selecta 111 (SEP 111) - Credits: 12.00
Sepedi 120 (SEP 120) - Credits: 12.00
Setswana for beginners 110 (STW 110) - Credits: 12.00
Introduction to Setswana grammar – capita selecta 111 (STW 111) - Credits: 12.00
Setswana 120 (STW 120) - Credits: 12.00
Climate and weather of Southern Africa 164 (WKD 164) - Credits: 8.00
Precalculus 133 (WTW 133) - Credits: 8.00
Calculus 143 (WTW 143) - Credits: 8.00
isiZulu for beginners 110 (ZUL 110) - Credits: 12.00
Introduction to isiZulu grammar – Capita selecta 111 (ZUL 111) - Credits: 12.00
isiZulu 120 (ZUL 120) - Credits: 12.00

Curriculum: Year 2

Minimum credits: 170

Core modules

Learning support 221 (JLD 221) - Credits: 12.00
Methodology of English first additional language 210 (JME 210) - Credits: 6.00
Education 212 (OPV 212) - Credits: 20.00
Education 222 (OPV 222) - Credits: 20.00
Teaching practice 280 (PRO 280) - Credits: 6.00

Elective modules

Afrikaans 214 (AFR 214) - Credits: 20.00
Afrikaans 220 (AFR 220) - Credits: 20.00
African languages literature: Capita selecta 220 (AFT 220) - Credits: 20.00
Modern English literature and English studies 210 (ENG 210) - Credits: 20.00
English 220 (ENG 220) - Credits: 20.00
History 210 (GES 210) - Credits: 20.00
History 220 (GES 220) - Credits: 20.00
Process geomorphology 252 (GGY 252) - Credits: 12.00
City structure, environment and society 266 (GGY 266) - Credits: 24.00
Geographic information systems introduction 221 (GIS 221) - Credits: 12.00
Art education 200 (JKG 200) - Credits: 12.00
Art education 201 (JKU 201) - Credits: 20.00
Life orientation 210 (JLO 210) - Credits: 12.00
Life orientation 220 (JLO 220) - Credits: 12.00

Methodology of Afrikaans 200 (JMA 200) - Credits: 6.00
Human movement studies and sport management 212 (JMB 212) - Credits: 10.00
Human movement studies and sport management 213 (JMB 213) - Credits: 10.00
Human movement studies and sport management 222 (JMB 222) - Credits: 10.00
Human movement studies and sport management 223 (JMB 223) - Credits: 10.00
Methodology of English 200 (JME 200) - Credits: 6.00
Methodology of Geography 200 (JMG 200) - Credits: 6.00
Methodology of History 200 (JMH 200) - Credits: 6.00
Methodology of Art education 201 (JMK 201) - Credits: 6.00
Methodology of Life Orientation and Physical Education 201 (JML 201) - Credits: 6.00
Methodology of Music education 200 (JMM 200) - Credits: 6.00
Methodology of Natural science 204 (JMN 204) - Credits: 6.00
Music education 201 (JMO 201) - Credits: 8.00
Music education 202 (JMO 202) - Credits: 8.00
Music education 203 (JMO 203) - Credits: 12.00
Music education 204 (JMO 204) - Credits: 12.00
Methodology of Intermediate Mathematics 203 (JMW 203) - Credits: 6.00
Methodology of IsiNdebele 200 (JND 200) - Credits: 6.00
Design and technology 240 (JOT 240) - Credits: 12.00
Methodology of Sepedi 200 (JSP 200) - Credits: 6.00
Methodology of Setswana 200 (JSW 200) - Credits: 6.00
Intermediate mathematics 210 (JWI 210) - Credits: 12.00
Intermediate mathematics 220 (JWI 220) - Credits: 12.00
Natural science 230 (JWT 230) - Credits: 12.00
Methodology of isiZulu 200 (JZL 200) - Credits: 6.00
isiNdebele 210 (NDE 210) - Credits: 20.00
Sepedi 210 (SEP 210) - Credits: 20.00
Sepedi grammar – Capita selecta 211 (SEP 211) - Credits: 20.00
Sepedi 220 (SEP 220) - Credits: 20.00
Setswana 210 (STW 210) - Credits: 20.00
Setswana Grammar – Capita Selecta 211 (STW 211) - Credits: 20.00
Setswana 220 (STW 220) - Credits: 20.00
isiZulu 210 (ZUL 210) - Credits: 20.00
IsiZulu grammar – Capita selecta 211 (ZUL 211) - Credits: 20.00
isiZulu 220 (ZUL 220) - Credits: 20.00

Curriculum: Year 3

Minimum credits: 170

Core modules

Learning support 320 (JLD 320) - Credits: 6.00
Methodology of E-learning 330 (JLT 330) - Credits: 12.00
Literacies in education 300 (JLZ 300) - Credits: 12.00
Education 312 (OPV 312) - Credits: 30.00
Education 322 (OPV 322) - Credits: 30.00
Teaching practice 380 (PRO 380) - Credits: 6.00

Elective modules

Afrikaans education 361 (JAF 361) - Credits: 12.00
English education 361 (JEN 361) - Credits: 12.00
Methodology of Afrikaans 300 (JMA 300) - Credits: 6.00
Methodology of English 300 (JME 300) - Credits: 6.00
Methodology of Geography 300 (JMG 300) - Credits: 6.00
Methodology of History 300 (JMH 300) - Credits: 6.00
Methodology of Art education 301 (JMK 301) - Credits: 6.00
Methodology of Life Orientation and Physical Education 301 (JML 301) - Credits: 6.00
Methodology of Music education 300 (JMM 300) - Credits: 6.00
Methodology of Natural science 304 (JMN 304) - Credits: 6.00
Methodology of Intermediate Mathematics 303 (JMW 303) - Credits: 6.00
Methodology of IsiNdebele 300 (JND 300) - Credits: 6.00
Methodology of Sepedi 300 (JSP 300) - Credits: 6.00
Methodology of Setswana 300 (JSW 300) - Credits: 6.00
Intermediate mathematics 310 (JWI 310) - Credits: 20.00
Intermediate mathematics 320 (JWI 320) - Credits: 20.00
Natural science 315 (JWT 315) - Credits: 20.00
Natural science 325 (JWT 325) - Credits: 20.00
Methodology of isiZulu 300 (JZL 300) - Credits: 6.00

Curriculum: Final year

Minimum credits: 170

Fundamental modules

Professional practice 471 (JFP 471) - Credits: 3.00

Core modules

Research project 461 (JNM 461) - Credits: 12.00
Research project 464 (JNM 464) - Credits: 12.00
Teaching practice 452 (PRO 452) - Credits: 28.00
Teaching practice 453 (PRO 453) - Credits: 28.00

Elective modules

Methodology of Afrikaans 451 (JMA 451) - Credits: 3.00
Methodology of Afrikaans 454 (JMA 454) - Credits: 3.00
Methodology of English 451 (JME 451) - Credits: 3.00
Methodology of English 454 (JME 454) - Credits: 3.00
Methodology of Geography 451 (JMG 451) - Credits: 3.00
Methodology of Geography 454 (JMG 454) - Credits: 3.00
Methodology of History 451 (JMH 451) - Credits: 3.00
Methodology of History 454 (JMH 454) - Credits: 3.00
Methodology of Art education 451 (JMK 451) - Credits: 3.00
Methodology of Art education 454 (JMK 454) - Credits: 3.00
Methodology of Life Orientation and Physical Education 461 (JML 461) - Credits: 3.00
Methodology of Life Orientation and Physical Education 464 (JML 464) - Credits: 3.00
Methodology of Music education 451 (JMM 451) - Credits: 3.00
Methodology of Music education 454 (JMM 454) - Credits: 3.00

Methodology of Natural science 451 (JMN 451) - Credits: 3.00
Methodology of Natural science 454 (JMN 454) - Credits: 3.00
Methodology of Intermediate Mathematics 453 (JMW 453) - Credits: 3.00
Methodology of Intermediate Mathematics 456 (JMW 456) - Credits: 3.00
Methodology of IsiNdebele 451 (JND 451) - Credits: 3.00
Methodology of IsiNdebele 454 (JND 454) - Credits: 3.00
Methodology of Sepedi 451 (JSP 451) - Credits: 3.00
Methodology of Sepedi 454 (JSP 454) - Credits: 3.00
Methodology of Setswana 451 (JSW 451) - Credits: 3.00
Methodology of Setswana 454 (JSW 454) - Credits: 3.00
Methodology of isiZulu 451 (JZL 451) - Credits: 3.00
Methodology of isiZulu 454 (JZL 454) - Credits: 3.00

BEd Senior Phase and Further Education and Training Teaching (09133031)

Minimum duration of study	4 years

Admission requirements

- The following persons will be considered for admission: a candidate who is in possession of a certificate that is deemed by the University to be equivalent to the required Grade 12 certificate with university endorsement; a candidate who is a graduate from another tertiary institution or has been granted the status of a graduate of such an institution; and a candidate who is a graduate of another faculty at the University of Pretoria.
- Life Orientation is excluded when calculating the APS.
- Prospective students with an APS of 26-27 must write the National Benchmark Test (NBT). Final admission is determined by the Admissions Committee of the Faculty and is based on the results of the NBT.
- As soon as candidates are admitted to the BEd degree, they will be informed that they must register at the University in January of the following year. It is in the interest of prospective students to apply as soon as possible, particularly in respect of financial support and/or residence placement.

Minimum requirements		
Achievement level		
English Home Language or English First Additional Language		**APS**
NSC/IEB	AS Level	
4	D	**28 (26 - 27 admission based on the NBT)**

* Cambridge A level candidates who obtained at least a D in the required subjects, will be considered for admission. International Baccalaureate (IB) HL candidates who obtained at least a 4 in the required subjects, will be considered for admission.

- An additional subject requirement for elective modules in **economic and management sciences** is Mathematics, passed with an achievement level of 4 (50%–59%) in Grade 12.
- Additional subject requirements for elective modules in **natural sciences** are Physical Science, passed with an achievement level of 5 (60%–69%), and Mathematics passed with an achievement level of 5 (60%–69%) in Grade 12.

Other programme-specific information

Please note: The following is effective as from 2016:

WTW 124 Calculus and algebra 124
(Replaces WTW 126 and WTW 128)

WTW 146 Linear algebra 146, and WTW 148 Calculus 148
(Available to BEd students who take only a single full year of Mathematics as an elective with either WTW 114 or WTW 134 as first semester module.)

WTW 161 Linear algebra 161, and WTW 168 Calculus 168
(May be added to lists as alternatives used for recognition to replace WTW 126 and 128 or WTW 146 and 148, but are not available for BEd students.)

*** JNH 454 First aid 454**
(First aid is also compulsory, only for all students who take Human Movement Studies and Sport Management as elective up to 3rd year level.)

Module description	Module code
Fundamental modules	
Academic information management	AIM 101 or AIM 111, 121
Literacies in education	JLZ 110,120 or JLZ 111, 121
Professional practice *First Aid	JFP 471 JNH 454
Core modules	
Conversational competence: One of IsiZulu, Sepedi, Setswana (an exemption can be written)	CCZ 100 or CCI 100 or CCW100
Education	OPV 112, 122 OPV 212, 222 OPV 312, 322
Research project	JNM 461, 464
Teaching practice	PRO 280 PRO 380 PRO 452, 453
Professional studies	JPS 121
Literacies in education	JLZ 300

Elective modules **School subjects that are specific to only the Senior Phase (SP). Students who choose one of these combinations must still take another elective to teach in the Further Education and Training (FET) phase. All modules must be taken, except where options are indicated. See prerequisites listed with the alphabetical list of modules. Modules are chosen according to the class timetable. NO TIMETABLE CLASHES ARE ALLOWED.**	
Module description	**Module code**
Social sciences *Students choose GGY 252, 283 and 266, or GES 210 and 220	ENV 101 GGY 156, 166 *GGY 252, 283, 266 WKD 164 GES 110, 120 *GES 210, 220
Technology (All modules must be taken)	WTW 133, 143 PHY 133, 143, CMY 133 JTT 120 JOT 240 JOT 330, 340
Natural Sciences and Technology	JWT 115,125 JWT 230, JOT 240 JWT 315, 325

Elective modules **School subjects that can be chosen as SP and FET electives. For SP these modules should be taken up to 2nd year level and for FET up to 3rd year level. All modules must be taken, except where options are indicated. See prerequisites listed with the alphabetical list of modules. Modules are chosen according to the class timetable. NO TIMETABLE CLASHES ARE ALLOWED.**	
Module description	**Module code**
Art Education	JKG 100, JKU 101 JKG 200, JKU 201 JKG 300, JKU 301
Music Education /	Beginners: JMO 181, 182 Advanced Music : JMO 101,102 JMO 201, 202, 203, 204 JMO 301,302, 303, 304

IsiZulu	For beginners: ZUL 110, 120 ZUL 210, 220 ZUL 310, AFT 320 For speakers of IsiZulu as a home language or 1st or 2nd additional language: ZUL 111, AFT 121 ZUL 211, AFT 220 ZUL 310, AFT 320
Sepedi	For beginners: SEP 110, 120 SEP 210, 220 SEP 310, AFT 320 For speakers of Sepedi as home language or 1st or 2nd additional language: SEP 111, AFT 121 SEP 211, AFT 220 SEP 310, AFT 320
IsiNdebele	For speakers of IsiNdbele as a home language or first or second additional language. NDE 110, AFT 121 NDE 210, AFT 220 NDE 310, AFT 320
Setswana	For beginners: STW 110, 120 STW 210, 220 STW 310, AFT 320 For speakers of Setswana as a home language or 1st or 2nd additional language: STW 111, AFT 121 STW 211, AFT 220 STW 310, AFT 320
Afrikaans	AFR 110, 120 AFR 214, 220 AFR 311, 321 or JAF 361 (JAF 361 may be taken instead of or in addition to AFR 311, 321)
English	ENG 110, 120 ENG 210, 220 ENG 310, 320 or JEN 361 (JEN 361 may be taken instead of or in addition to ENG 310, 320)

Mathematics A complete first year with JLW 312 and all Methodologies of Mathematics completes the SP elective. A complete second year with WTW 389 or JLW 312 and all Methodologies of Mathematics completes the FET elective.	WTW 114, 124 or WTW 133, 143, 153, 124 WTW 211, 218, 220, 248 WTW 389 or JLW 312
Compulsory combination Life Orientation and Human Movement Studies and Sport Management (Students who choose these electives must take one up to 3rd year and the other up to 2nd year)	 JLO 110, 120 JLO 210, 220 JLO 310, 320 JMB 112, 113, 122, 123 JMB 212, 213, 222, 223 JMB 312, 313, 322, 323
Elective modules **School subjects that are specific to the Further Education and Training Phase (FET). Another elective must be taken for SP from the other combinations listed above. All modules must be taken, except where options are indicated. See prerequisites listed with the alphabetical list of modules. Modules are chosen according to the class timetable. NO TIMETABLE CLASHES ARE ALLOWED.**	
Module description	**Module code**
Computer Application Technology (RTT modules must be taken to 3rd year)	INF 112 INF 154, 164, 171 RTT 230, 240 RTT 330, 340
Business Management	OBS 114, 124 OBS 210, 220
Heritage and cultural Tourism	EFK 110, 120 EFK 210, 220
Mathematical Literacy [JWG must be taken to 3rd year level]	STK 113, 123 JWG 210, 220 JWG 310, 320

Engineering Graphics and Design (JTT must be taken to 3rd year level)	MGC 110 WTW 134 JTT 120 JTT 230, 240 JTT 330, 340
Geography	ENV 101, WKD 164 GGY 156, 166 GGY 252, 283, 266
History	GES 110, GES 120 GES 210, GES 220
Life Sciences (JLW 312 must be taken if Mathematics is taken as a teaching elective)	CMY 117, 127 MLB 111 BOT 161 BOT 251, 261 GTS 161 ZEN161 ZEN 251, ZEN 261 JLS 310 WTW 134
Physical Sciences *Choose between Chemistry and Physics at 2nd year level, If Physics is chosen, then WTW 210, 220, 218 and 248 must be taken.	WTW 114, 124 *WTW 211, 218, 220, 248 JLW 312 CMY 117, 127 *CMY 282, 284, 283, 285 PHY 114, 124 *PHY 255, 263 JPC 310
Economic and Management Sciences Business management Statistics and Economics Financial Accounting Heritage and Cultural Tourism	OBS 114, 124 OBS 210, 220 STK 110, 120 en EKN 110, 120 EKN 214, 234 FRK 111, FRK 121 FRK 211, FRK 221 en INF 281 EFK 110, 120 EFK 210, 220
After a Senior Phase and an FET specialisation have been chosen, a student may select only one of the following as an elective. All modules of the specialisation must be taken.	
Module description	**Module code**

Psychology Guidance and Counselling (must be taken to third year)	SLK 110, 120 JVB 210, 220 JVB 301
Religion studies (*Optional,:will be presented only if student numbers are sufficient.).	REL 110, 120 REL 210, 220 *REL 310, 320
Methodology of electives modules **Choose at least two methodologies in accordance with the teaching specialisations. The same methodologies will be taken at second, third and fourth-year levels.**	
Module description	**Module code**
Methodology of Afrikaans	JMA 200, 300, 451, 454
Methodology of English	JME 200, 300, 451, 454
Methodology of IsiZulu	JZL 200, 300, 451, 454
Methodology of Sepedi	JSP 200, 300, 451, 454
Methodology of IsiNdebele	JND 200, 300, 451, 454
Methodology of Setswana	JSW 200, 300, 451, 454
Methodology of Geography	JMG 200, 300, 451, 454
Methodology of History	JMH 200, 300, 451, 454
Methodology of Music Education	JMM 200, 300, 451, 454
Methodology of Art Education	JMK 201, 301, 451, 454
Methodology of Mathematical Literacy	JMW 202, 300, 451, 454
Methodology of Mathematics	JMW 200, 300, 451, 454
Methodology of Natural Sciences	JMN 204, 304, 451, 454
Methodology of Life Sciences	JMN 208, 308, 452, 458
Methodology of Physical Sciences	JMN 209, 309, 453, 456

Methodology of Life Orientation and Physical Education	JML 200, 300, 451, 454
Methodology of Tourism	JMD 206, 306, 456, 466
Methodology of Business Studies	JMD 205, 305, 455, 465
Methodology of Economics	JMD 201, 301, 451, 461
Methodology of Accounting	JMD 203, 303, 453, 463
Methodology of Engineering Graphics and Design	JMT 204, 304, 451, 454
Methodology of Technology	JMC 200, 300, 451, 454
Methodology of Computer Application Technology	JMI 200, 300, 451, 454
Methodology of Information Technology	JMR 200, 300, 451, 454
Methodology of Religion Studies	JMF 200, 300, 451, 454

Class attendance

The teacher education programmes of the Faculty of Education have been approved and accredited by the Department of Education. Due to the fact that the Faculty places high emphasis on the development of skills and competences, class attendance is compulsory for all student teachers for the full duration of the training period specified by SAQA (South African Qualification Authority).

Programme delivery

The PGCE consists of a university-based learning (UBL) component and a school-based learning (SBL) component. The UBL component is presented in the format of learning shops during which students construct a practice theory of and for education. For the purpose of the SBL component, students are placed in two partnership schools with different compositions for 6 weeks each (a total of 12 weeks), during which they engage in education practice while they are supported and assessed by qualified mentor teachers and university mentor lecturers.

Examinations and pass requirements

Special examinations

- A third-year student who has failed a maximum of four semester modules or the equivalent thereof, with a final mark of at least 40% in each, may be admitted by the Dean to a special examination in those modules during January of the following year, provided that this will enable the student to comply with all requirements for promotion to the fourth year of study.
- A final-year BEd student requiring a maximum of 4 semester modules or the equivalent thereof to complete his or her degree, with a final mark of 40% in each, may be admitted to a special examination, during January of the following year. If the special examination is conducted before 1 February, a student is not required to register again and the examination is treated as a supplementary examination. If the special examination is

conducted on or after 1 February, the student must register again for the module(s) in question and the lecturer may require that a semester mark be obtained in an appropriate manner. In such a case, the result of the examination will not be taken into consideration with a view to the graduation ceremonies in March/April.

Pass with distinction

The degree is conferred with distinction to a student who obtains an overall weighted average (GPA) of 75% or higher in the BEd programme, with the condition that the degree is completed in the prescribed 4 years.

Curriculum: Year 1

Minimum credits: 170

Fundamental modules

Academic information management 101 (AIM 101) - Credits: 6.00
Academic information management 111 (AIM 111) - Credits: 4.00
Academic information management 121 (AIM 121) - Credits: 4.00
Literacies in education 110 (JLZ 110) - Credits: 6.00
Literacies in education 111 (JLZ 111) - Credits: 6.00
Literacies in education 120 (JLZ 120) - Credits: 6.00
Literacies in education 121 (JLZ 121) - Credits: 6.00
Academic orientation 109 (UPO 109) - Credits: 0.00

Core modules

Conversational Competence: Sepedi 100 (CCI 100) - Credits: 12.00
Conversational Competence: Setswana 100 (CCW 100) - Credits: 12.00
Conversational Competence: IsiZulu 100 (CCZ 100) - Credits: 12.00
Professional studies 121 (JPS 121) - Credits: 6.00
Education 112 (OPV 112) - Credits: 12.00
Education 122 (OPV 122) - Credits: 12.00

Elective modules

Afrikaans 110 (AFR 110) - Credits: 12.00
Afrikaans 120 (AFR 120) - Credits: 12.00
African languages literature: Capita selecta 121 (AFT 121) - Credits: 12.00
General chemistry 117 (CMY 117) - Credits: 16.00
General chemistry 127 (CMY 127) - Credits: 16.00
Heritage and cultural tourism 110 (EFK 110) - Credits: 12.00
Heritage and cultural tourism 120 (EFK 120) - Credits: 12.00
Economics 110 (EKN 110) - Credits: 10.00
Economics 120 (EKN 120) - Credits: 10.00
English 110 (ENG 110) - Credits: 12.00
English 120 (ENG 120) - Credits: 12.00
Introduction to environmental sciences 101 (ENV 101) - Credits: 8.00
Financial accounting 111 (FRK 111) - Credits: 10.00
Financial accounting 121 (FRK 121) - Credits: 12.00
History 110 (GES 110) - Credits: 12.00
History 120 (GES 120) - Credits: 12.00
Aspects of human geography 156 (GGY 156) - Credits: 8.00

Southern African geomorphology 166 (GGY 166) - Credits: 8.00
Introductory genetics 161 (GTS 161) - Credits: 8.00
Art education 100 (JKG 100) - Credits: 6.00
Art education 101 (JKU 101) - Credits: 18.00
Life orientation 110 (JLO 110) - Credits: 12.00
Life orientation 120 (JLO 120) - Credits: 12.00
Human movement studies and sport management 112 (JMB 112) - Credits: 6.00
Human movement studies and sport management 113 (JMB 113) - Credits: 6.00
Human movement studies and sport management 122 (JMB 122) - Credits: 6.00
Human movement studies and sport management 123 (JMB 123) - Credits: 6.00
Music education 101 (JMO 101) - Credits: 16.00
Music education 102 (JMO 102) - Credits: 8.00
Music education 181 (JMO 181) - Credits: 16.00
Music education 182 (JMO 182) - Credits: 8.00
Design and technology 110 (JOT 110) - Credits: 12.00
Design and technology 120 (JOT 120) - Credits: 12.00
Engineering graphics and design 110 (JTT 110) - Credits: 12.00
Engineering graphics and design 120 (JTT 120) - Credits: 16.00
Molecular and cell biology 111 (MLB 111) - Credits: 16.00
Introduction to isiNdebele Grammar – Capita selecta 110 (NDE 110) - Credits: 12.00
Business management 114 (OBS 114) - Credits: 10.00
Business management 124 (OBS 124) - Credits: 10.00
First course in physics 114 (PHY 114) - Credits: 16.00
First course in physics 124 (PHY 124) - Credits: 16.00
Physics for biology students 131 (PHY 131) - Credits: 16.00
Theory of religion 110 (REL 110) - Credits: 12.00
Kaleidoscope of religions 120 (REL 120) - Credits: 12.00
Sepedi for beginners 110 (SEP 110) - Credits: 12.00
Introduction to Sepedi grammar - Capita Selecta 111 (SEP 111) - Credits: 12.00
Sepedi 120 (SEP 120) - Credits: 12.00
Psychology 110 (SLK 110) - Credits: 12.00
Psychology 120 (SLK 120) - Credits: 12.00
Statistics 110 (STK 110) - Credits: 13.00
Statistics 113 (STK 113) - Credits: 11.00
Statistics 120 (STK 120) - Credits: 13.00
Statistics 123 (STK 123) - Credits: 12.00
Setswana for beginners 110 (STW 110) - Credits: 12.00
Introduction to Setswana grammar – capita selecta 111 (STW 111) - Credits: 12.00
Setswana 120 (STW 120) - Credits: 12.00
Climate and weather of Southern Africa 164 (WKD 164) - Credits: 8.00
Calculus 114 (WTW 114) - Credits: 16.00
Mathematics 124 (WTW 124) - Credits: 16.00
Precalculus 133 (WTW 133) - Credits: 8.00
Mathematics 134 (WTW 134) - Credits: 16.00
Calculus 143 (WTW 143) - Credits: 8.00
Linear algebra 146 (WTW 146) - Credits: 8.00

Calculus 148 (WTW 148) - Credits: 8.00
isiZulu for beginners 110 (ZUL 110) - Credits: 12.00
Introduction to isiZulu grammar – Capita selecta 111 (ZUL 111) - Credits: 12.00
isiZulu 120 (ZUL 120) - Credits: 12.00

Curriculum: Year 2

Minimum credits: 170

Core modules

Education 212 (OPV 212) - Credits: 20.00
Education 222 (OPV 222) - Credits: 20.00
Teaching practice 280 (PRO 280) - Credits: 6.00

Elective modules

Afrikaans 214 (AFR 214) - Credits: 20.00
Afrikaans 220 (AFR 220) - Credits: 20.00
African languages literature: Capita selecta 220 (AFT 220) - Credits: 20.00
Plant biology 161 (BOT 161) - Credits: 8.00
Physical chemistry 282 (CMY 282) - Credits: 12.00
Analytical chemistry 283 (CMY 283) - Credits: 12.00
Organic chemistry 284 (CMY 284) - Credits: 12.00
Inorganic chemistry 285 (CMY 285) - Credits: 12.00
Heritage and cultural tourism 210 (EFK 210) - Credits: 20.00
Heritage and cultural tourism 220 (EFK 220) - Credits: 20.00
Economics 214 (EKN 214) - Credits: 16.00
Economics 234 (EKN 234) - Credits: 16.00
Modern English literature and English studies 210 (ENG 210) - Credits: 20.00
English 220 (ENG 220) - Credits: 20.00
Financial accounting 211 (FRK 211) - Credits: 16.00
Financial accounting 221 (FRK 221) - Credits: 16.00
History 210 (GES 210) - Credits: 20.00
History 220 (GES 220) - Credits: 20.00
Process geomorphology 252 (GGY 252) - Credits: 12.00
City structure, environment and society 266 (GGY 266) - Credits: 24.00
Geographic information systems introduction 221 (GIS 221) - Credits: 12.00
Informatics 282 (INF 282) - Credits: 3.00
Art education 200 (JKG 200) - Credits: 12.00
Art education 201 (JKU 201) - Credits: 20.00
Life orientation 210 (JLO 210) - Credits: 12.00
Life orientation 220 (JLO 220) - Credits: 12.00
Methodology of Afrikaans 200 (JMA 200) - Credits: 6.00
Human movement studies and sport management 212 (JMB 212) - Credits: 10.00
Human movement studies and sport management 213 (JMB 213) - Credits: 10.00
Human movement studies and sport management 222 (JMB 222) - Credits: 10.00
Human movement studies and sport management 223 (JMB 223) - Credits: 10.00
Methodology of Design and Technology 201 (JMC 201) - Credits: 6.00
Methodology of Economics 201 (JMD 201) - Credits: 6.00

Methodology of Accounting 203 (JMD 203) - Credits: 6.00
Methodology of Business studies 205 (JMD 205) - Credits: 6.00
Methodology of Tourism 206 (JMD 206) - Credits: 6.00
Methodology of English 200 (JME 200) - Credits: 6.00
Methodology of Religion studies 200 (JMF 200) - Credits: 6.00
Methodology of Geography 200 (JMG 200) - Credits: 6.00
Methodology of History 200 (JMH 200) - Credits: 6.00
Methodology of Art education 201 (JMK 201) - Credits: 6.00
Methodology of Life Orientation and Physical Education 201 (JML 201) - Credits: 6.00
Methodology of Music education 200 (JMM 200) - Credits: 6.00
Methodology of Sciences 203 (JMN 203) - Credits: 6.00
Methodology of Life science 208 (JMN 208) - Credits: 6.00
Music education 201 (JMO 201) - Credits: 8.00
Music education 202 (JMO 202) - Credits: 8.00
Music education 203 (JMO 203) - Credits: 12.00
Music education 204 (JMO 204) - Credits: 12.00
Methodology of Mathematics 200 (JMW 200) - Credits: 6.00
Methodology of Mathematical literacy 202 (JMW 202) - Credits: 6.00
Methodology of IsiNdebele 200 (JND 200) - Credits: 6.00
Design and technology 210 (JOT 210) - Credits: 20.00
Design and technology 220 (JOT 220) - Credits: 20.00
Methodology of Sepedi 200 (JSP 200) - Credits: 6.00
Methodology of Setswana 200 (JSW 200) - Credits: 6.00
Engineering graphics and design 230 (JTT 230) - Credits: 12.00
Engineering graphics and design 240 (JTT 240) - Credits: 12.00
Guidance and counselling 210 (JVB 210) - Credits: 12.00
Guidance and counselling 220 (JVB 220) - Credits: 12.00
Mathematical literacy 210 (JWG 210) - Credits: 12.00
Mathematical literacy 220 (JWG 220) - Credits: 12.00
Methodology of isiZulu 200 (JZL 200) - Credits: 6.00
isiNdebele 210 (NDE 210) - Credits: 20.00
Business management 210 (OBS 210) - Credits: 16.00
Business management 220 (OBS 220) - Credits: 16.00
Waves, thermodynamics and modern physics 255 (PHY 255) - Credits: 24.00
General physics 263 (PHY 263) - Credits: 24.00
Dynamics of religion 210 (REL 210) - Credits: 20.00
Ancient religions and health 220 (REL 220) - Credits: 20.00
Sepedi 210 (SEP 210) - Credits: 20.00
Sepedi grammar – Capita selecta 211 (SEP 211) - Credits: 20.00
Sepedi 220 (SEP 220) - Credits: 20.00
Setswana 210 (STW 210) - Credits: 20.00
Setswana Grammar – Capita Selecta 211 (STW 211) - Credits: 20.00
Setswana 220 (STW 220) - Credits: 20.00
Mathematics 124 (WTW 124) - Credits: 16.00
Calculus 153 (WTW 153) - Credits: 8.00
Linear algebra 211 (WTW 211) - Credits: 12.00

Calculus 218 (WTW 218) - Credits: 12.00
Analysis 220 (WTW 220) - Credits: 12.00
Vector analysis 248 (WTW 248) - Credits: 12.00
Animal diversity 161 (ZEN 161) - Credits: 8.00
isiZulu 210 (ZUL 210) - Credits: 20.00
IsiZulu grammar – Capita selecta 211 (ZUL 211) - Credits: 20.00
isiZulu 220 (ZUL 220) - Credits: 20.00

Curriculum: Year 3

Minimum credits: 170

Core modules

Literacies in education 300 (JLZ 300) - Credits: 12.00
Education 312 (OPV 312) - Credits: 30.00
Education 322 (OPV 322) - Credits: 30.00
Teaching practice 380 (PRO 380) - Credits: 6.00

Elective modules

Afrikaans 311 (AFR 311) - Credits: 30.00
Afrikaans 321 (AFR 321) - Credits: 30.00
African languages literature: Capita selecta 320 (AFT 320) - Credits: 30.00
South African flora and vegetation 251 (BOT 251) - Credits: 12.00
Plant physiology and biotechnology 261 (BOT 261) - Credits: 12.00
English 310 (ENG 310) - Credits: 30.00
English 320 (ENG 320) - Credits: 30.00
Afrikaans education 361 (JAF 361) - Credits: 12.00
English education 361 (JEN 361) - Credits: 12.00
Art education 300 (JKG 300) - Credits: 8.00
Art education 301 (JKU 301) - Credits: 32.00
Life orientation 310 (JLO 310) - Credits: 20.00
Life orientation 320 (JLO 320) - Credits: 20.00
Life sciences education 310 (JLS 310) - Credits: 12.00
Mathematics education 312 (JLW 312) - Credits: 12.00
Methodology of Afrikaans 300 (JMA 300) - Credits: 6.00
Human movement studies and sport management 312 (JMB 312) - Credits: 15.00
Human movement studies and sport management 313 (JMB 313) - Credits: 15.00
Human movement studies and sport management 322 (JMB 322) - Credits: 15.00
Human movement studies and sport management 323 (JMB 323) - Credits: 15.00
Methodology of Economics 301 (JMD 301) - Credits: 6.00
Methodology of Accounting 303 (JMD 303) - Credits: 6.00
Methodology of Business studies 305 (JMD 305) - Credits: 6.00
Methodology of Tourism 306 (JMD 306) - Credits: 6.00
Methodology of English 300 (JME 300) - Credits: 6.00
Methodology of Religion studies 300 (JMF 300) - Credits: 6.00
Methodology of Geography 300 (JMG 300) - Credits: 6.00
Methodology of History 300 (JMH 300) - Credits: 6.00
Methodology of Computer application technology 300 (JMI 300) - Credits: 12.00

Methodology of Art education 301 (JMK 301) - Credits: 6.00
Methodology of Life Orientation and Physical Education 301 (JML 301) - Credits: 6.00
Methodology of Music education 300 (JMM 300) - Credits: 6.00
Methodology of Natural science 304 (JMN 304) - Credits: 6.00
Methodology of Life sciences 308 (JMN 308) - Credits: 6.00
Methodology of Physical sciences 309 (JMN 309) - Credits: 6.00
Music education 301 (JMO 301) - Credits: 10.00
Music education 302 (JMO 302) - Credits: 10.00
Music education 303 (JMO 303) - Credits: 12.00
Music education 304 (JMO 304) - Credits: 12.00
Methodology of Information technology 300 (JMR 300) - Credits: 6.00
Methodology of Engineering graphics and design 304 (JMT 304) - Credits: 6.00
Methodology of Mathematics 300 (JMW 300) - Credits: 6.00
Methodology of Mathematics Literacy 302 (JMW 302) - Credits: 6.00
Methodology of IsiNdebele 300 (JND 300) - Credits: 6.00
Natural sciences education 310 (JNS 310) - Credits: 12.00
Physical sciences education 310 (JPC 310) - Credits: 12.00
Methodology of Sepedi 300 (JSP 300) - Credits: 6.00
Methodology of Setswana 300 (JSW 300) - Credits: 6.00
Engineering graphics and design 330 (JTT 330) - Credits: 20.00
Engineering graphics and design 340 (JTT 340) - Credits: 20.00
Guidance and counselling 301 (JVB 301) - Credits: 40.00
Mathematical literacy 310 (JWG 310) - Credits: 20.00
Mathematical literacy 320 (JWG 320) - Credits: 20.00
Methodology of isiZulu 300 (JZL 300) - Credits: 6.00
isiNdebele 310 (NDE 310) - Credits: 30.00
Material religion 310 (REL 310) - Credits: 30.00
Sociology of religion 320 (REL 320) - Credits: 30.00
Sepedi 310 (SEP 310) - Credits: 30.00
Setswana 310 (STW 310) - Credits: 30.00
Geometry 389 (WTW 389) - Credits: 18.00
Invertebrate biology 251 (ZEN 251) - Credits: 12.00
African vertebrates 261 (ZEN 261) - Credits: 12.00
isiZulu 310 (ZUL 310) - Credits: 30.00

Curriculum: Final year

Minimum credits: 170

Fundamental modules

Professional practice 471 (JFP 471) - Credits: 3.00

Core modules

Research project 461 (JNM 461) - Credits: 12.00
Research project 464 (JNM 464) - Credits: 12.00
Teaching practice 452 (PRO 452) - Credits: 28.00
Teaching practice 453 (PRO 453) - Credits: 28.00

Elective modules

Methodology of Afrikaans 451 (JMA 451) - Credits: 3.00
Methodology of Afrikaans 454 (JMA 454) - Credits: 3.00
Methodology of Design and technology 451 (JMC 451) - Credits: 3.00
Methodology of Design and technology 454 (JMC 454) - Credits: 3.00
Methodology of Economics 451 (JMD 451) - Credits: 3.00
Methodology of Accounting 453 (JMD 453) - Credits: 3.00
Methodology of Business studies 455 (JMD 455) - Credits: 3.00
Methodology of Tourism 456 (JMD 456) - Credits: 3.00
Methodology of Economics 461 (JMD 461) - Credits: 3.00
Methodology of Accounting 463 (JMD 463) - Credits: 3.00
Methodology of Business studies 465 (JMD 465) - Credits: 3.00
Methodology of Tourism 466 (JMD 466) - Credits: 3.00
Methodology of English 451 (JME 451) - Credits: 3.00
Methodology of English 454 (JME 454) - Credits: 3.00
Methodology of Religion studies 451 (JMF 451) - Credits: 6.00
Methodology of Religion studies 454 (JMF 454) - Credits: 3.00
Methodology of Geography 451 (JMG 451) - Credits: 3.00
Methodology of Geography 454 (JMG 454) - Credits: 3.00
Methodology of History 451 (JMH 451) - Credits: 3.00
Methodology of History 454 (JMH 454) - Credits: 3.00
Methodology of Computer application technology 451 (JMI 451) - Credits: 3.00
Methodology of Computer application technology 454 (JMI 454) - Credits: 3.00
Methodology of Art education 451 (JMK 451) - Credits: 3.00
Methodology of Art education 454 (JMK 454) - Credits: 3.00
Methodology of Life Orientation and Physical Education 461 (JML 461) - Credits: 3.00
Methodology of Life Orientation and Physical Education 464 (JML 464) - Credits: 3.00
Methodology of Music education 451 (JMM 451) - Credits: 3.00
Methodology of Music education 454 (JMM 454) - Credits: 3.00
Methodology of Natural science 451 (JMN 451) - Credits: 3.00
Methodology of Life sciences 452 (JMN 452) - Credits: 3.00
Methodology of Physical sciences 453 (JMN 453) - Credits: 3.00
Methodology of Natural science 454 (JMN 454) - Credits: 3.00
Methodology of Physical sciences 456 (JMN 456) - Credits: 3.00
Methodology of Life sciences 458 (JMN 458) - Credits: 3.00
Methodology of Information technology 451 (JMR 451) - Credits: 3.00
Methodology of Information technology 454 (JMR 454) - Credits: 3.00
Methodology of Engineering Graphics and Design 451 (JMT 451) - Credits: 3.00
Methodology of Engineering graphics and design 454 (JMT 454) - Credits: 3.00
Methodology of Mathematics 451 (JMW 451) - Credits: 3.00
Methodology of Mathematical literacy 452 (JMW 452) - Credits: 3.00
Methodology of Mathematics 454 (JMW 454) - Credits: 3.00
Methodology of Mathematics Literacy 455 (JMW 455) - Credits: 3.00
Methodology of IsiNdebele 451 (JND 451) - Credits: 3.00
Methodology of IsiNdebele 454 (JND 454) - Credits: 3.00
Methodology of Sepedi 451 (JSP 451) - Credits: 3.00

Methodology of Sepedi 454 (JSP 454) - Credits: 3.00
Methodology of Setswana 451 (JSW 451) - Credits: 3.00
Methodology of Setswana 454 (JSW 454) - Credits: 3.00
Methodology of isiZulu 451 (JZL 451) - Credits: 3.00
Methodology of isiZulu 454 (JZL 454) - Credits: 3.00

Postgrad Diploma/Certificate

PGCE Foundation Phase Teaching (09227011)

Minimum duration of study	1 year
Contact	Dr S Coetzee sonja.coetzee@up.ac.za +27 (0)124205555

Programme information

Please note: no applications are considered for the Foundation Phase- and Intermediate Phase Teaching in PGCE. The Department of Higher Education and Training (DHET) has put a policy in place to specify a set of Minimum Requirements for Teacher Education Qualifications (MRTEQ) (Government Gazette no. 38487, 19 February 2015). The requirements for entry to the PGCE (Foundation Phase- and Intermediate Phase Teaching) have become so stringent that student numbers have declined to the extent that these specializations are not currently offered and will therefore not be available from 2017 until further notice.

The PGCE consists of a university-based learning (UBL) component and a school-based learning (SBL) component. The UBL component is presented in the format of learning shops during which students construct a practice theory of and for education. For the purpose of the SBL component, students are placed in two partnerships schools with different compositions for 8 weeks each (a total of 16 weeks), during which they engage in education practice while they are supported and assessed by qualified mentor teachers and university lecturers.

The choices in compiling the package have to be approved by the package coordinator before registration.

Admission requirements

A bachelor’s degree or appropriate DHET approved diploma and the successful completion of a SAQA accredited language course or first-year module for home language or beginner speakers of an Indigenous African language. Successful completion of computer, academic and information management or equivalent modules in a first degree or the equivalent of a SAQA accredited computer literacy course.

The MRTEQ policy (Gazette 34467) stipulates that the minimum admission requirement into a PGCE is an appropriate diploma or bachelor’s degree. An appropriate diploma or degree should include sufficient disciplinary learning in appropriate academic fields to enable the development of teaching specialisation or/and subjects as specified for each school phase. The MRTEQ policy also clearly defines minimum entrance requirement guidelines in terms of sufficient subject knowledge per qualifier, some specialisations and DHET approved diplomas (the DHET will publish a list of approved diplomas for entry into an Advanced Diploma in Teaching). Furthermore, a student’s choice in elective modules depends on the phase that a student qualifies for. In this regard the MRTEQ policy describes various factors that influence the range of teaching specialisations. These include:

- Specialised pedagogical content addressing the particular qualifier;
- Specialist requirements for the knowledge mix per qualifier;
- Minimum admission requirements;
- Approved teaching specialisations for Initial Teacher Education Qualifications;
- Approved basic competences of a beginner teacher.
- English passed at First year level.
- Psychology and/or Education passed at second-year degree level.
- Any ONE official language passed at first-year degree level besides English.
- Preference will be given to candidates who passed with above average academic performance in their prior degree.

Additional requirements

Foundation Phase Teaching:
English passed at First year level. Psychology and/or Education passed at second-year degree level. Any ONE official language passed at first-year degree level besides English. Preference will be given to candidates who passed with above average academic performance in their prior degree.

Other programme-specific information

Class attendance
The teacher education programmes of the Faculty of Education have been approved and accredited by the Department of Education. Due to the fact that the Faculty places high emphasis on the development of skills and competences, class attendance is compulsory for all student teachers for the full duration of the training period specified by SAQA (South African Qualification Authority).

Programme delivery
The PGCE consists of a university-based learning (UBL) component and a school-based learning (SBL) component. The UBL component is presented in the format of learning shops during which students construct a practice theory of and for education. For the purpose of the SBL component, students are placed in two partnership schools with different compositions for 6 weeks each (a total of 12 weeks), during which they engage in education practice while they are supported and assessed by qualified mentor teachers and university mentor lecturers.

Examinations and pass requirements

PPF 400 and PRO 410 are assessed through continuous and integrated assessment conducted on beginner teacher competence-based criteria. Assessment and feedback will be done continuously, as well as at the end of the first semester. At the end of the year students will be required to demonstrate their professional growth through a portfolio.

Special examinations in the Faculty of Education
A final-year student, who has failed a maximum of three semester modules or their equivalent with a final mark of at least 40% in each, may be admitted by the Dean to a special examination in these modules during January of the following year, provided that this will enable the student to comply with all the requirements for the certificate.

Pass with distinction

The PGCE will be awarded with distinction to a student who obtained 75% in each of the Professional development (PPF 400), Facilitating learning (FCL 400) and the specialisation module(s), as well as an average of 75% in all the other modules.

General information

Computer literacy

The computer literacy of all students will be determined by a proficiency test. Students are placed in a specified computer literacy module according to their performance in the proficiency test.

PGCE Further Education and Training Teaching (09227041)

Minimum duration of study	1 year
Contact	Dr S Coetzee sonja.coetzee@up.ac.za +27 (0)124205555

Programme information

The PGCE consists of a university-based learning (UBL) component and a school-based learning (SBL) component. The UBL component is presented in the format of learning shops during which students construct a practice theory of and for education. For the purpose of the SBL component, students are placed in two partnerships schools with different compositions for 8 weeks each (a total of 16 weeks), during which they engage in education practice while they are supported and assessed by qualified mentor teachers and university lecturers.

The choices in compiling the package have to be approved by the package coordinator before registration.

Admission requirements

The MRTEQ policy (Gazette 34467) stipulates that the minimum admission requirement into a PGCE is an appropriate diploma or bachelor's degree. An appropriate diploma or degree should include sufficient disciplinary learning in appropriate academic fields to enable the development of teaching specialisation or/and subjects as specified for each school phase. The MRTEQ policy also clearly defines minimum entrance requirement guidelines in terms of sufficient subject knowledge per qualifier, some specialisations and DHET approved diplomas (the DHET will publish a list of approved diplomas for entry into an Advanced Diploma in Teaching). Furthermore, a student's choice in elective modules depends on the phase that a student qualifies for. In this regard the MRTEQ policy describes various factors that influence the range of teaching specialisations. These include:

- Specialised pedagogical content addressing the particular qualifier;
- Specialist requirements for the knowledge mix per qualifier;
- Minimum admission requirements;
- Approved teaching specialisations for Initial Teacher Education Qualifications;
- Approved basic competences of a beginner teacher.
- Appropriate major subject at least at completed second-year level at NQF level 7.
- For complex subjects, the appropriate co-subject(s) must be completed to at least level 6 (see programme modules).

Additional requirements

Further Education and Training Phase Teaching:

Appropriate major subject at least at completed second-year level at NQF level 7. For complex subjects, the appropriate co-subject(s) must be completed to at least level 6 (see programme modules).

Other programme-specific information

Elective modules:

Choose one of the following subject methodologies in accordance with the admission requirements

(relevant academic modules are indicated in brackets)

^The offering of these modules will depend on the number of student enrolments and the availability of staff to present the modules.

Accounting

Afrikaans

^African languages

Business studies (Business management, Entrepreneurship, Business administration)

Computer application technology

Consumer studies (Nutrition, Clothing)

Economics (Economics, Business economics)

English

Geography

History

Hospitality studies (Hotel and catering)

Information technology (Computer, Multimedia or related modules)

Life orientation (Psychology or related modules)

Life sciences (Biology, Zoology, Botany, Physiology, Genetics, Microbiology, Biotechnology or any other related academic module)

Mathematical literacy

Mathematics

^Physical science (Physics, Chemistry, Applied science or any other related academic module)

^Tourism

^Visual arts

^Music

^Dramatic arts

^Dance studies

Class attendance

The teacher education programmes of the Faculty of Education have been approved and accredited by the Department of Education. Due to the fact that the Faculty places high emphasis on the development of skills and competences, class attendance is compulsory for all student teachers for the full duration of the training period specified by SAQA (South African Qualification Authority).

Programme delivery

The PGCE consists of a university-based learning (UBL) component and a school-based learning (SBL) component. The UBL component is presented in the format of learning shops during which students construct a practice theory of and for education. For the purpose of the SBL component, students are placed in two partnership schools with different compositions for 6 weeks each (a total of 12 weeks), during which they engage in education practice while they are supported and assessed by qualified mentor teachers and university mentor lecturers.

Examinations and pass requirements

PPF 400 and PRO 410 are assessed through continuous and integrated assessment conducted on beginner teacher competence-based criteria. Assessment and feedback will be done continuously, as well as at the end of the first semester. At the end of the year students will be required to demonstrate their professional growth through a portfolio.

Special examinations in the Faculty of Education
A final-year student, who has failed a maximum of three semester modules or their equivalent with a final mark of at least 40% in each, may be admitted by the Dean to a special examination in these modules during January of the following year, provided that this will enable the student to comply with all the requirements for the certificate.

Pass with distinction

The PGCE will be awarded with distinction to a student who obtained 75% in each of the Professional development (PPF 400), Facilitating learning (FCL 400) and the specialisation module(s), as well as an average of 75% in all the other modules.

General information

Computer literacy
The computer literacy of all students will be determined by a proficiency test. Students are placed in a specified computer literacy module according to their performance in the proficiency test.

Curriculum: Final year

Minimum credits: 151

All "Fundamental" and "Core" modules must be selected together with two FET Phase (V##) modules as "Elective" modules. JNM 400 (Research Project) is only compulsory for students who do not qualify for a second FET Phase (V##) module. Only select one of the "Conversational Competence" modules (CCW, CCI or CCZ 100). An exemption exam can be written.

Elective modules: Choose one of the following subject methodologies in accordance with the admission requirements.

Fundamental modules

Foundations of education 401 (FOE 401) - Credits: 8.00
Global and social perspectives in education 401 (GPE 401) - Credits: 8.00

Core modules

Conversational Competence: Sepedi 100 (CCI 100) - Credits: 12.00
Conversational Competence: Setswana 100 (CCW 100) - Credits: 12.00
Conversational Competence: IsiZulu 100 (CCZ 100) - Credits: 12.00
Facilitating learning 401 (FCL 401) - Credits: 12.00
Information and communication technology 410 (ICT 410) - Credits: 6.00
Learning support education 402 (JLD 402) - Credits: 6.00
Learning theories and assessment in teaching 401 (LNT 401) - Credits: 18.00
Professional ethics and law in teaching 410 (PEL 410) - Credits: 6.00
Professional development 401 (PPF 401) - Credits: 8.00
Teaching Practice 410 (PRO 410) - Credits: 12.00

Teaching Practice 420 (PRO 420) - Credits: 12.00

Elective modules
Research Project 400 (JNM 400) - Credits: 20.00
Methodology of Afrikaans 410 (VAF 410) - Credits: 20.00
Methodology of African languages 410 (VAT 410) - Credits: 20.00
Methodology of Business studies 410 (VBT 410) - Credits: 20.00
Methodology of dance studies 410 (VDD 410) - Credits: 20.00
Methodology of Dramatic Arts 410 (VDU 410) - Credits: 20.00
Methodology of Economics 410 (VEK 410) - Credits: 20.00
Methodology of English 410 (VES 410) - Credits: 20.00
Methodology of Foreign Languages 400 (VFL 400) - Credits: 20.00
Methodology of Geography 410 (VGG 410) - Credits: 20.00
Methodology of History 410 (VGS 410) - Credits: 20.00
Methodology of Hospitality Studies 410 (VHS 410) - Credits: 20.00
Methodology of Consumer Studies 410 (VHT 410) - Credits: 20.00
Methodology of Life orientation 410 (VLT 410) - Credits: 20.00
Methodology of Life sciences 410 (VLW 410) - Credits: 20.00
Methodology of Music 410 (VMU 410) - Credits: 20.00
Methodology of Physical Sciences 410 (VNS 410) - Credits: 20.00
Methodology of Accounting 410 (VRK 410) - Credits: 20.00
Methodology of Tourism 410 (VTO 410) - Credits: 20.00
Methodology of Visual arts 410 (VVK 410) - Credits: 20.00

PGCE Intermediate Phase Teaching (09227021)

Minimum duration of study	1 year
Contact	Dr S Coetzee sonja.coetzee@up.ac.za +27 (0)124205555

Programme information

Please note: no applications are considered for the Foundation Phase- and Intermediate Phase Teaching in PGCE. The Department of Higher Education and Training (DHET) has put a policy in place to specify a set of Minimum Requirements for Teacher Education Qualifications (MRTEQ) (Government Gazette no. 38487, 19 February 2015). The requirements for entry to the PGCE (Foundation Phase- and Intermediate Phase Teaching) have become so stringent that student numbers have declined to the extent that these specializations are not currently offered and will therefore not be available from 2017 until further notice.

The PGCE consists of a university-based learning (UBL) component and a school-based learning (SBL) component. The UBL component is presented in the format of learning shops during which students construct a practice theory of and for education. For the purpose of the SBL component, students are placed in two partnerships schools with different compositions for 8 weeks each (a total of 16 weeks), during which they engage in education practice while they are supported and assessed by qualified mentor teachers and university lecturers.

The choices in compiling the package have to be approved by the package coordinator before registration.

Admission requirements

The MRTEQ policy (Gazette 34467) stipulates that the minimum admission requirement into a PGCE is an appropriate diploma or bachelor’s degree. An appropriate diploma or degree should include sufficient disciplinary

learning in appropriate academic fields to enable the development of teaching specialisation or/and subjects as specified for each school phase. The MRTEQ policy also clearly defines minimum entrance requirement guidelines in terms of sufficient subject knowledge per qualifier, some specialisations and DHET approved diplomas (the DHET will publish a list of approved diplomas for entry into an Advanced Diploma in Teaching). Furthermore, a student's choice in elective modules depends on the phase that a student qualifies for. In this regard the MRTEQ policy describes various factors that influence the range of teaching specialisations. These include:

- Specialised pedagogical content addressing the particular qualifier;
- Specialist requirements for the knowledge mix per qualifier;
- Minimum admission requirements;
- Approved teaching specialisations for Initial Teacher Education Qualifications;
- Approved basic competences of a beginner teacher.
- Appropriate subjects passed at a first-year academic level (100) which corresponds with one or more relevant subjects at school level (see programme modules).
- English passed at First year level. Any ONE official language passed at first-year degree level besides English.
- Any Mathematics, Applied Mathematics, Statistics or Applied Statistics, Accountancy (or suitable course addressing the Foundations of Mathematics) at First year level to 6 credits minimum.

Additional requirements

Intermediate Phase Teaching:
Appropriate subjects passed at a first-year academic level (100) which corresponds with one or more relevant subjects at school level (see programme modules). English passed at First year level. Any ONE official language passed at first-year degree level besides English. Any Mathematics, Applied Mathematics, Statistics or Applied Statistics, Accountancy (or suitable course addressing the Foundations of Mathematics) at First year level to 6 credits minimum.

Other programme-specific information

Elective modules:
Choose two of the following eight learning areas in accordance with the admission requirements (relevant academic modules are indicated in brackets):

- IPH 416: Languages (Afrikaans, English)
- IPH 412: Mathematics (Mathematics, Applied mathematics, Statistics or any other related academic module)
- IPH 403: Art and culture (Art, Drama, Dance, Anthropology or any other related academic module)
- IPH 414: Social sciences (History, Geography, Sociology, Political science or any other related academic module)
- IPH 417: Natural sciences (Biology, Botany, Zoology, Chemistry, Physics, Physiology, Genetics, Microbiology, Biotechnology or any other related academic module)
- IPH 408: Technology (Any technology, technical or computer related academic module)
- IPH 409: Economic and management sciences (Economics, Business economics, Entrepreneurship, Business management, Accounting or any other related academic module)
- IPH 410: Life orientation (Psychology, Human movement studies, Recreation or any other related academic module)

Class attendance
The teacher education programmes of the Faculty of Education have been approved and accredited by the Department of Education. Due to the fact that the Faculty places high emphasis on the development of skills and competences, class attendance is compulsory for all student teachers for the full duration of the training period

specified by SAQA (South African Qualification Authority).

Programme delivery
The PGCE consists of a university-based learning (UBL) component and a school-based learning (SBL) component. The UBL component is presented in the format of learning shops during which students construct a practice theory of and for education. For the purpose of the SBL component, students are placed in two partnership schools with different compositions for 6 weeks each (a total of 12 weeks), during which they engage in education practice while they are supported and assessed by qualified mentor teachers and university mentor lecturers.

Examinations and pass requirements

PPF 400 and PRO 410 are assessed through continuous and integrated assessment conducted on beginner teacher competence-based criteria. Assessment and feedback will be done continuously, as well as at the end of the first semester. At the end of the year students will be required to demonstrate their professional growth through a portfolio.

Special examinations in the Faculty of Education
A final-year student, who has failed a maximum of three semester modules or their equivalent with a final mark of at least 40% in each, may be admitted by the Dean to a special examination in these modules during January of the following year, provided that this will enable the student to comply with all the requirements for the certificate.

Pass with distinction

The PGCE will be awarded with distinction to a student who obtained 75% in each of the Professional development (PPF 400), Facilitating learning (FCL 400) and the specialisation module(s), as well as an average of 75% in all the other modules.

General information

Computer literacy
The computer literacy of all students will be determined by a proficiency test. Students are placed in a specified computer literacy module according to their performance in the proficiency test.

PGCE Senior Phase and Further Education and Training Teaching (09227031)

Minimum duration of study	1 year
Contact	Dr S Coetzee sonja.coetzee@up.ac.za +27 (0)124205555

Programme information

The PGCE consists of a university-based learning (UBL) component and a school-based learning (SBL) component. The UBL component is presented in the format of learning shops during which students construct a practice theory of and for education. For the purpose of the SBL component, students are placed in two partnerships schools with different compositions for 8 weeks each (a total of 16 weeks), during which they engage in education practice while they are supported and assessed by qualified mentor teachers and university lecturers.

The choices in compiling the package have to be approved by the package coordinator before registration.

Admission requirements

The MRTEQ policy (Gazette 34467) stipulates that the minimum admission requirement into a PGCE is an appropriate diploma or bachelor's degree. An appropriate diploma or degree should include sufficient disciplinary learning in appropriate academic fields to enable the development of teaching specialisation or/and subjects as specified for each school phase. The MRTEQ policy also clearly defines minimum entrance requirement guidelines in terms of sufficient subject knowledge per qualifier, some specialisations and DHET approved diplomas (the DHET will publish a list of approved diplomas for entry into an Advanced Diploma in Teaching). Furthermore, a student's choice in elective modules depends on the phase that a student qualifies for. In this regard the MRTEQ policy describes various factors that influence the range of teaching specialisations. These include:

- Specialised pedagogical content addressing the particular qualifier;
- Specialist requirements for the knowledge mix per qualifier;
- Minimum admission requirements;
- Approved teaching specialisations for Initial Teacher Education Qualifications;
- Approved basic competences of a beginner teacher.

For an SP Specialisation: Appropriate subjects at second-year level (see programme modules).

For an FET Specialisation: Appropriate major subject at least at completed second-year level at NQF level 7 (see programme modules).

Additional requirements

Senior Phase and FET Phase Teaching:

For an SP Specialisation: Appropriate subjects at second-year level (see programme modules).

For an FET Specialisation: Appropriate major subject at least at completed second-year level at NQF level 7 (see programme modules).

To become a First Language teacher or First Additional Language teacher a prospective student need to have successfully passed all academic modules at third-year university level for FET and second-year university level for SP; and have demonstrated mastery of or proficiency in the specific language.

Mastery of or proficiency in the specific language can be gauged by submitting sufficient proof from a recognised and accredited Language testing system; and/or consideration by the Dean in accordance with the selection committee after an interview.

A proficient/master user of a language has the following abilities (taken from CEF):

- Can understand a wide range of demanding, longer clauses, and recognize implicit meaning;
- Can express ideas fluently and spontaneously without much obvious searching for expressions;
- Can use language flexibly and effectively for social, academic and professional purposes;
- Can summarize information from different spoken and written sources, reconstructing arguments and accounts in a coherent presentation;
- Can express him/herself spontaneously, very fluently and precisely, differentiating finer shades of meaning even in the most complex situation

If a student is selected into the PGCE and it becomes evident that additional Language learning is necessary, students may be requested to enrol for specialised modules such as ENG 118 for English Grammar etc. concurrently.

For Foreign Language teachers the following candidates can be considered:

- First Language speakers of the language: Second-year university level is sufficient for FET-level teaching.
- Additional Language speakers of the language:

- Student should have passed the language at matric level AND second-year university level OR
- Student should have passed third-year university level if he/she took the beginner courses during first-year university.

Other programme-specific information

Elective modules:

Choose two of the following 8 learning areas in accordance with the admission requirements (relevant academic modules are indicated in brackets)

SPH 401: Languages (Afrikaans, English)

SPH 402: Mathematics (Mathematics, Applied mathematics, Statistics or any other related academic module)

SPH 403: Art and culture (Art, Drama, Dance, Anthropology or any other related academic module)

SPH 404: Social sciences (History, Geography, Sociology, Political science or any other related academic module)

SPH 405: Life orientation (Psychology, Human movement studies, Recreation or any other related academic module)

SPH 406: Economic and management sciences (Economics, Business economics, Entrepreneurship, Business management, Accounting or any other related academic module)

SPH 407: Natural sciences (Biology, Botany, Zoology, Chemistry, Physics, Physiology, Genetics, Microbiology, Biotechnology or any other related academic module)

SPH 408: Technology (Any technology, technical or computer related academic module)

Class attendance

The teacher education programmes of the Faculty of Education have been approved and accredited by the Department of Education. Due to the fact that the Faculty places high emphasis on the development of skills and competences, class attendance is compulsory for all student teachers for the full duration of the training period specified by SAQA (South African Qualification Authority).

Programme delivery

The PGCE consists of a university-based learning (UBL) component and a school-based learning (SBL) component. The UBL component is presented in the format of learning shops during which students construct a practice theory of and for education. For the purpose of the SBL component, students are placed in two partnership schools with different compositions for 6 weeks each (a total of 12 weeks), during which they engage in education practice while they are supported and assessed by qualified mentor teachers and university mentor lecturers.

Examinations and pass requirements

PPF 400 and PRO 410 are assessed through continuous and integrated assessment conducted on beginner teacher competence-based criteria. Assessment and feedback will be done continuously, as well as at the end of the first semester. At the end of the year students will be required to demonstrate their professional growth through a portfolio.

Special examinations in the Faculty of Education

A final-year student, who has failed a maximum of three semester modules or their equivalent with a final mark of at least 40% in each, may be admitted by the Dean to a special examination in these modules during January of the following year, provided that this will enable the student to comply with all the requirements for the certificate.

Pass with distinction

The PGCE will be awarded with distinction to a student who obtained 75% in each of the Professional development (PPF 400), Facilitating learning (FCL 400) and the specialisation module(s), as well as an average of 75% in all the other modules.

General information

Computer literacy
The computer literacy of all students will be determined by a proficiency test. Students are placed in a specified computer literacy module according to their performance in the proficiency test.

Curriculum: Final year

Minimum credits: 151

All "Fundamental" and "Core" modules must be selected together with one Senior Phase (SPH) module and one FET Phase (V##) module as "Elective" modules. Only select one of the "Conversational Competence" modules (CCW, CCI or CCZ 100). An exemption exam can be written.

Fundamental modules

Foundations of education 401 (FOE 401) - Credits: 8.00
Global and social perspectives in education 401 (GPE 401) - Credits: 8.00

Core modules

Conversational Competence: Sepedi 100 (CCI 100) - Credits: 12.00
Conversational Competence: Setswana 100 (CCW 100) - Credits: 12.00
Conversational Competence: IsiZulu 100 (CCZ 100) - Credits: 12.00
Facilitating learning 401 (FCL 401) - Credits: 12.00
Information and communication technology 410 (ICT 410) - Credits: 6.00
Learning support education 402 (JLD 402) - Credits: 6.00
Learning theories and assessment in teaching 401 (LNT 401) - Credits: 18.00
Professional ethics and law in teaching 410 (PEL 410) - Credits: 6.00
Professional development 401 (PPF 401) - Credits: 8.00
Teaching Practice 410 (PRO 410) - Credits: 12.00
Teaching Practice 420 (PRO 420) - Credits: 12.00

Elective modules

Languages 411 (SPH 411) - Credits: 20.00
Mathematics 412 (SPH 412) - Credits: 20.00
Art and culture 413 (SPH 413) - Credits: 20.00
Social sciences 414 (SPH 414) - Credits: 20.00
Life orientation 415 (SPH 415) - Credits: 20.00
Economic and management sciences 416 (SPH 416) - Credits: 20.00
Natural sciences 417 (SPH 417) - Credits: 20.00
Technology 418 (SPH 418) - Credits: 20.00
Methodology of Afrikaans 410 (VAF 410) - Credits: 20.00
Methodology of African languages 410 (VAT 410) - Credits: 20.00
Methodology of Business studies 410 (VBT 410) - Credits: 20.00
Methodology of dance studies 410 (VDD 410) - Credits: 20.00

Methodology of Dramatic Arts 410 (VDU 410) - Credits: 20.00
Methodology of Economics 410 (VEK 410) - Credits: 20.00
Methodology of English 410 (VES 410) - Credits: 20.00
Methodology of Foreign Languages 400 (VFL 400) - Credits: 20.00
Methodology of Geography 410 (VGG 410) - Credits: 20.00
Methodology of History 410 (VGS 410) - Credits: 20.00
Methodology of Hospitality Studies 410 (VHS 410) - Credits: 20.00
Methodology of Consumer Studies 410 (VHT 410) - Credits: 20.00
Methodology of Life orientation 410 (VLT 410) - Credits: 20.00
Methodology of Life sciences 410 (VLW 410) - Credits: 20.00
Methodology of Music 410 (VMU 410) - Credits: 20.00
Methodology of Physical Sciences 410 (VNS 410) - Credits: 20.00
Methodology of Accounting 410 (VRK 410) - Credits: 20.00
Methodology of Tourism 410 (VTO 410) - Credits: 20.00
Methodology of Visual arts 410 (VVK 410) - Credits: 20.00

PGCHE (09227050)

Minimum duration of study	1 year
Contact	Prof PH du Toit pieter.dutoit@up.ac.za +27 (0)124202817

Admission requirements

- A bachelor's degree from a recognised university; or
- A National Diploma; or
- A National Senior Certificate with admission to degree studies as well as another M+3 qualification and appropriate experience deemed adequate by the Dean for admission to the programme.
- Students who do not comply with the admission requirements (M+3) may follow the “recognition of prior learning (RPL)” route by submitting a portfolio containing a record of their work-related experience. This portfolio has to be compiled in liaison with the package coordinator and submitted with the application before the closing date.

Pass with distinction

The certificate is awarded with distinction to a student who has obtained an average of at least 75%, with a minimum of 70% in each module.

Curriculum: Final year

Minimum credits: 120

All "Fundamental" and "Core" modules must be selected together with two "Elective" modules.

Fundamental modules

Mediating learning 400 (LMD 400) - Credits: 30.00
Professional development 400 (PFO 400) - Credits: 20.00

Core modules

Assessment practice 410 (ASK 410) - Credits: 10.00
Community-based learning 420 (GBL 420) - Credits: 10.00
Curriculum development 410 (KRO 410) - Credits: 10.00
Leadership and management 420 (LAM 420) - Credits: 10.00
Education technology 410 (OWT 410) - Credits: 10.00

Elective modules

Electronic learning 420 (CEL 420) - Credits: 10.00
Entrepreneurship practice 430 (EPP 430) - Credits: 10.00
Mentorship 420 (MEP 420) - Credits: 10.00
Research supervision 420 (NSV 420) - Credits: 10.00

Honours

BEdHons (09240005)

Minimum duration of study	1 year

Admission requirements

A candidate can be admitted if he/she holds one of the following qualifications:

- a Bachelor's degree and a teacher's diploma/Postgraduate Certificate in Education (eg BA + HED); or
- a four-year composite degree in Education [eg BA(Ed)]; or
- an M+4 appropriate teacher's diploma, subject to specific approval and an appropriate Advanced Diploma in Education; or
- another academic qualification and appropriate prior learning, considered equivalent by the Dean for admission to a specific package.

Additional requirements

Selection is based on:

- Meeting the minimum academic requirements required for admission;
- Previous academic performance;
- Applicable academic and/or teaching background;
- Availability of supervision for the required research project;
- Proven academic potential which may include academic communication and computer application skills;
- Additionally, an interview may be requested;
- The requirements of professional registration bodies;
- The discretion of the head of department.

Other programme-specific information

In addition to the listed programmes, a student may register for a selection of modules which does not conform to a specific package. This requires a written application which is recommended by the Head of Department in which the research project is to be pursued and approved by the Dean. The relevant head of department may require specific modules to be taken. The written application is to be submitted to the Dean through Student Administration after a recommendation has been obtained from the relevant head of department.

Such a specially approved combination must consist of a minimum of 128 credits, and must contain at least the core modules NMQ 745, CDD 710 and EDS 711 together with at least 48 credits of elective modules drawn from the listed packages.

The research project consists of NMQ 755 and one of the research report modules (AQA 780, CDV 780, CIE 780, WEM 781, LSG 780 or SMP 780). At least one of the modules of the combination must be cognate with the research project.

The degree will be awarded as the Bachelor of Education Honours (General).

Examinations and pass requirements

Subject to exceptions approved by the Dean, on the recommendation of the relevant head of department, a student may not sit for an examination for the honours degree more than twice in the same module.

A final-year student who has failed a maximum of three semester modules or their equivalent, with a final mark of at least 40% in each, may be admitted by the Dean to a special examination/s in these modules during January of the following year, provided that this will enable the student to comply with all the requirements for the degree.

Research information

A research project is compulsory and must be handed in for examination, as prescribed by the particular department.

Pass with distinction

The degree is conferred with distinction on a student who has obtained an average of at least 75%, with a minimum of 70% in each module.

Curriculum: Final year

Minimum credits: 128

Fundamental modules

Part 2: Research report 780 (AQA 780) - Credits: 16.00
Part 2: Research report 780 (CDV 780) - Credits: 16.00
Part 2: Research report 780 (CIE 780) - Credits: 16.00
Part 2: Research report 780 (LSG 780) - Credits: 16.00
Part 1: Research proposal 755 (NMQ 755) - Credits: 16.00
Part 2: Research report 780 (SMP 780) - Credits: 16.00
Part 2: Research report: Values-driven education 781 (WEM 781) - Credits: 16.00

Core modules

Curriculum development 710 (CDD 710) - Credits: 16.00
Philosophy and social imperatives of education 711 (EDS 711) - Credits: 16.00
Educational research methodology 745 (NMQ 745) - Credits: 16.00

BEdHons Assessment and Quality Assurance in Education and Training (09240011)

Minimum duration of study	1 year
Contact	Prof MA Graham marien.graham@up.ac.za +27 (0)124206637

Admission requirements

A candidate can be admitted if he/she holds one of the following qualifications:

- a Bachelor’s degree and a teacher’s diploma/Postgraduate Certificate in Education (eg BA + HED); or
- a four-year composite degree in Education [eg BA(Ed)]; or
- an M+4 appropriate teacher’s diploma, subject to specific approval and an appropriate Advanced Diploma in Education; or
- another academic qualification and appropriate prior learning, considered equivalent by the Dean for admission to a specific package.

Additional requirements

Selection is based on:

- Meeting the minimum academic requirements required for admission;
- Previous academic performance;
- Applicable academic and/or teaching background;
- Availability of supervision for the required research project;
- Proven academic potential which may include academic communication and computer application skills;
- Additionally, an interview may be requested;
- The requirements of professional registration bodies;
- The discretion of the head of department.

Examinations and pass requirements

Subject to exceptions approved by the Dean, on the recommendation of the relevant head of department, a student may not sit for an examination for the honours degree more than twice in the same module.

A final-year student who has failed a maximum of three semester modules or their equivalent, with a final mark of at least 40% in each, may be admitted by the Dean to a special examination/s in these modules during January of the following year, provided that this will enable the student to comply with all the requirements for the degree.

Research information

A research project is compulsory and must be handed in for examination, as prescribed by the particular department.

Pass with distinction

The degree is conferred with distinction on a student who has obtained an average of at least 75%, with a minimum of 70% in each module.

Curriculum: Final year

Minimum credits: 128

When the full-time option is chosen, all "Fundamental" and "Core" modules must be selected. When the part-time option is chosen, NMQ 745, EDS 711, CDD 710 and API 711 must be selected in the 1st year and NMQ 755, one elective, AQA 780 and QPI 712 must be selected in the final year. **Elective module prerequisites** include Mathematics II for Mathematics education (MCE 730), Biology II or Zoology II or Botany II or General science ll for Life sciences education (LSN 730) and Physics II or Chemistry II or General science II for Physical sciences education (PHN 730). If SCU 731 is chosen, it can only be taken in the second semester. Approval from the relevant head of department is required for MCE 730, LSN 730 and PHN 730.

Fundamental modules

Part 2: Research report 780 (AQA 780) - Credits: 16.00
Part 1: Research proposal 755 (NMQ 755) - Credits: 16.00

Core modules

Assessment approaches and instruments 711 (API 711) - Credits: 16.00
Curriculum development 710 (CDD 710) - Credits: 16.00
Philosophy and social imperatives of education 711 (EDS 711) - Credits: 16.00
Educational research methodology 745 (NMQ 745) - Credits: 16.00

Quality assurance structures and policies 712 (QPI 712) - Credits: 16.00

Elective modules

Instructional tools and e-learning 710 (CTM 710) - Credits: 16.00
Education law and policy 730 (ELP 730) - Credits: 16.00
Inclusive education 731 (ISA 731) - Credits: 16.00
Multi-literacies 730 (JGL 730) - Credits: 16.00
Life orientation education 710 (JLO 710) - Credits: 16.00
Learning support 710 (LSG 710) - Credits: 16.00
Life science education 730 (LSN 730) - Credits: 16.00
Mathematics and mathematical literacy education 730 (MCE 730) - Credits: 16.00
Physical sciences education 730 (PHN 730) - Credits: 16.00
Sciences curriculum 731 (SCU 731) - Credits: 16.00
Design and technology education 730 (TNO 730) - Credits: 16.00

BEdHons Computer-integrated Education (09240051)

Minimum duration of study	1 year
Contact	Dr MA Mihai maryke.mihai@up.ac.za +27 (0)124202077

Admission requirements

A candidate can be admitted if he/she holds one of the following qualifications:

- a Bachelor's degree and a teacher's diploma/Postgraduate Certificate in Education (eg BA + HED); or
- a four-year composite degree in Education [eg BA(Ed)]; or
- an M+4 appropriate teacher's diploma, subject to specific approval and an appropriate Advanced Diploma in Education; or
- another academic qualification and appropriate prior learning, considered equivalent by the Dean for admission to a specific package.

Additional requirements

Selection is based on:

- Meeting the minimum academic requirements required for admission;
- Previous academic performance;
- Applicable academic and/or teaching background;
- Availability of supervision for the required research project;
- Proven academic potential which may include academic communication and computer application skills;
- Additionally, an interview may be requested;
- The requirements of professional registration bodies;
- The discretion of the head of department.

Examinations and pass requirements

Subject to exceptions approved by the Dean, on the recommendation of the relevant head of department, a student may not sit for an examination for the honours degree more than twice in the same module.

A final-year student who has failed a maximum of three semester modules or their equivalent, with a final mark of at least 40% in each, may be admitted by the Dean to a special examination/s in these modules during January

of the following year, provided that this will enable the student to comply with all the requirements for the degree.

Research information

A research project is compulsory and must be handed in for examination, as prescribed by the particular department.

Pass with distinction

The degree is conferred with distinction on a student who has obtained an average of at least 75%, with a minimum of 70% in each module.

Curriculum: Final year

Minimum credits: 128

Fundamental modules

Part 2: Research report 780 (CIE 780) - Credits: 16.00
Part 1: Research proposal 755 (NMQ 755) - Credits: 16.00

Core modules

Assessment approaches and instruments 711 (API 711) - Credits: 16.00
Curriculum development 710 (CDD 710) - Credits: 16.00
Computers as cognitive tools 720 (CIT 720) - Credits: 16.00
Instructional tools and e-learning 710 (CTM 710) - Credits: 16.00
Philosophy and social imperatives of education 711 (EDS 711) - Credits: 16.00
Educational research methodology 745 (NMQ 745) - Credits: 16.00

BEdHons Education Management, Law and Policy (09240061)

Minimum duration of study	1 year
Contact	Dr MA Mohlakwana agnes.mohlakwana@up.ac.za +27 (0)124205752

Admission requirements

A candidate can be admitted if he/she holds one of the following qualifications:

- a Bachelor’s degree and a teacher’s diploma/Postgraduate Certificate in Education (eg BA + HED); or
- a four-year composite degree in Education [eg BA(Ed)]; or
- an M+4 appropriate teacher’s diploma, subject to specific approval and an appropriate Advanced Diploma in Education; or
- another academic qualification and appropriate prior learning, considered equivalent by the Dean for admission to a specific package.

Additional requirements

Selection is based on:

- Meeting the minimum academic requirements required for admission;
- Previous academic performance;
- Applicable academic and/or teaching background;
- Availability of supervision for the required research project;

- Proven academic potential which may include academic communication and computer application skills;
- Additionally, an interview may be requested;
- The requirements of professional registration bodies;
- The discretion of the head of department.

Examinations and pass requirements

Subject to exceptions approved by the Dean, on the recommendation of the relevant head of department, a student may not sit for an examination for the honours degree more than twice in the same module.

A final-year student who has failed a maximum of three semester modules or their equivalent, with a final mark of at least 40% in each, may be admitted by the Dean to a special examination/s in these modules during January of the following year, provided that this will enable the student to comply with all the requirements for the degree.

Research information

A research project is compulsory and must be handed in for examination, as prescribed by the particular department.

Pass with distinction

The degree is conferred with distinction on a student who has obtained an average of at least 75%, with a minimum of 70% in each module.

Curriculum: Final year

Minimum credits: 128

Fundamental modules

Part 1: Research proposal 755 (NMQ 755) - Credits: 16.00
Part 2: Research report: Values-driven education 781 (WEM 781) - Credits: 16.00

Core modules

Curriculum development 710 (CDD 710) - Credits: 16.00
Education management 732 (EDM 732) - Credits: 16.00
Philosophy and social imperatives of education 711 (EDS 711) - Credits: 16.00
Education law and policy 730 (ELP 730) - Credits: 16.00
Management and leadership in education 731 (LVO 731) - Credits: 16.00
Educational research methodology 745 (NMQ 745) - Credits: 16.00

BEdHons Education Management, Law and Policy (Distance Education) (09240082)

Minimum duration of study	2 years

Programme information

It is not possible to meet the training needs of teaching staff in South Africa through contact tuition only. Therefore, the Faculty of Education has been offering programmes in a distance education delivery mode for a number of years. To ensure that distance education students can depend on the same quality academic programmes and levels of service quality as contact students, a Unit for Distance Education has been established in the Faculty to manage the distance programmes of the Faculty.

This is a paper-based programme-, supported by academic contact sessions and is presented in a distance education mode.

Admission requirements

A candidate can be admitted if he/she holds one of the following qualifications:

- a Bachelor's degree and a teacher's diploma/Postgraduate Certificate in Education (eg BA + HED); or
- a four-year composite degree in Education [eg BA(Ed)]; or
- an M+4 appropriate teacher's diploma, subject to specific approval and an appropriate Advanced Diploma in Education; or
- another academic qualification and appropriate prior learning, considered equivalent by the Dean for admission to a specific package.

Other programme-specific information

The learning materials are available only in English. Assignments and examination papers may, however, be answered in Afrikaans.

Students have two contact sessions with lecturers per year. These contact sessions take place over a period of at least three (consecutive) days at the different centres countrywide and provide important learning support opportunities for students. It is the student's own responsibility to arrange for his/her own transport, accommodation and food during contact sessions and examinations.

General requirements
Students must complete and submit at least two assignments per module. These assignments are support mechanisms for students in their studies. Assignments are compulsory and contribute 30% towards the final mark.

If a student failed the examination in a module twice, the student will be de-registered for that module and will have to reregister for the module. A student who reregisters for a module has to pay the fees for that module again, and will have to resubmit both assignments 1 and 2. Assignment marks obtained previously will not be carried over.

A student in the honours programme may only reregister for a module once. If a student does not pass the module after the second registration, he/she will be de-registered from the whole programme, and will not be allowed to continue his/her studies for this degree at the University of Pretoria. (Also consult General Regulation G.18.)

Examinations and pass requirements

Examinations take place twice a year (during April and October) at examination centers countrywide. Students must register for examinations as stipulated under faculty-specific regulations.

A final mark of at least 50% is required to pass a module. The final mark is calculated by using the following three marks: assignment 1 = 10%; assignment 2 = 20% and the examination/project = 70%.

Research information

A research project is compulsory, and must be prepared according to the require-ments of the specific department and submitted for assessment. Both assignments for the project are compulsory. The project will contribute 70% towards the final mark.

Pass with distinction

The degree is conferred with distinction on a student who has obtained an average of at least 75%, with a minimum of 70% in each module.

BEdHons Educational Psychology (09240092)

Minimum duration of study	2 years
Contact	Mr LM Ubisi lindokuhle.ubisi@up.ac.za +27 (0)124203111

Admission requirements

A bachelor's degree from a recognised university with:

- Psychology III
- Education III or Pedagogics IV

Although this qualification will enable students to apply for the MEd in Educational Psychology , it is an academic programme and does not lead to registration as professional counsellor or psychometrist.

Additional requirements

There is a selection process for students applying for this programme.

Examinations and pass requirements

Subject to exceptions approved by the Dean, on the recommendation of the relevant head of department, a student may not sit for an examination for the honours degree more than twice in the same module.

A final-year student who has failed a maximum of three semester modules or their equivalent, with a final mark of at least 40% in each, may be admitted by the Dean to a special examination/s in these modules during January of the following year, provided that this will enable the student to comply with all the requirements for the degree.

Research information

A research project is compulsory and must be handed in for examination, as prescribed by the particular department.

Pass with distinction

The degree is conferred with distinction on a student who has obtained an average of at least 75%, with a minimum of 70% in each module.

Curriculum: Final year

Minimum credits: 128

When the full-time option is chosen, all "Fundamental" and "Core" modules must be selected. When the part-time option is chosen, NMQ 745, EDS 711, CDD 710 and KGG 730 must be selected in the 1st year and NMQ 755, LDS 730, NOS 780 and LOT 730 must be selected in the final year.

Fundamental modules

Part 1: Research proposal 755 (NMQ 755) - Credits: 16.00
Part 2: Research report 780 (NOS 780) - Credits: 16.00

Core modules

Curriculum development 710 (CDD 710) - Credits: 16.00
Philosophy and social imperatives of education 711 (EDS 711) - Credits: 16.00
Socio-emotional health and wellbeing 730 (KGG 730) - Credits: 16.00
Learning diversity 730 (LDS 730) - Credits: 16.00
Life design 730 (LOT 730) - Credits: 16.00
Educational research methodology 745 (NMQ 745) - Credits: 16.00

BEdHons Learning Support (09240046)

Minimum duration of study	1 year
Contact	Dr MC Moen melanie.moen1@gmail.com +27 (0)124205632

Programme information

The BEdHons in Learning Support is aimed at Foundation Phase (Grade 1-3) and Intermediate Phase (Grade 4-7) teachers.

Admission requirements

A candidate can be admitted if he/she holds one of the following qualifications:

- a Bachelor's degree and a teacher's diploma/Postgraduate Certificate in Education (eg BA + HED); or
- a four-year composite degree in Education [eg BA(Ed)]; or
- an M+4 appropriate teacher's diploma, subject to specific approval and an appropriate Advanced Diploma in Education; or
- another academic qualification and appropriate prior learning, considered equivalent by the Dean for admission to a specific package.

Additional requirements

Selection is based on:

- Meeting the minimum academic requirements required for admission;
- Previous academic performance;
- Applicable academic and/or teaching background;
- Availability of supervision for the required research project;
- Proven academic potential which may include academic communication and computer application skills;
- Additionally, an interview may be requested;
- The requirements of professional registration bodies;
- The discretion of the head of department.

Examinations and pass requirements

Subject to exceptions approved by the Dean, on the recommendation of the relevant head of department, a student may not sit for an examination for the honours degree more than twice in the same module.

A final-year student who has failed a maximum of three semester modules or their equivalent, with a final mark of at least 40% in each, may be admitted by the Dean to a special examination/s in these modules during January of the following year, provided that this will enable the student to comply with all the requirements for the degree.

Research information

A research project is compulsory and must be handed in for examination, as prescribed by the particular department.

Pass with distinction

The degree is conferred with distinction on a student who has obtained an average of at least 75%, with a minimum of 70% in each module.

Curriculum: Final year

Minimum credits: 128

Fundamental modules

Part 2: Research report 780 (LSG 780) - Credits: 16.00
Part 1: Research proposal 755 (NMQ 755) - Credits: 16.00

Core modules

Curriculum development 710 (CDD 710) - Credits: 16.00
Philosophy and social imperatives of education 711 (EDS 711) - Credits: 16.00
Identification and assessment of learners' needs 720 (ILN 720) - Credits: 16.00
Early intervention in numeracy and literacy 730 (JGS 730) - Credits: 16.00
Learning support 710 (LSG 710) - Credits: 16.00
Educational research methodology 745 (NMQ 745) - Credits: 16.00

BEdHons Life Sciences Education (09240002)

Minimum duration of study	1 year
Contact	Mr EN Mazibe ernest.mazibe@up.ac.za +27 (0)124203111

Admission requirements

A candidate can be admitted if he/she holds one of the following qualifications:

- a Bachelor’s degree and a teacher’s diploma/Postgraduate Certificate in Education (eg BA + HED); or
- a four-year composite degree in Education [eg BA(Ed)]; or
- an M+4 appropriate teacher’s diploma, subject to specific approval and an appropriate Advanced Diploma in Education; or
- another academic qualification and appropriate prior learning, considered equivalent by the Dean for admission to a specific package.

Additional requirements

Selection is based on:

- Meeting the minimum academic requirements required for admission;
- Previous academic performance;
- Applicable academic and/or teaching background;
- Availability of supervision for the required research project;
- Proven academic potential which may include academic communication and computer application skills;
- Additionally, an interview may be requested;
- The requirements of professional registration bodies;

- The discretion of the head of department.

Examinations and pass requirements

Subject to exceptions approved by the Dean, on the recommendation of the relevant head of department, a student may not sit for an examination for the honours degree more than twice in the same module.

A final-year student who has failed a maximum of three semester modules or their equivalent, with a final mark of at least 40% in each, may be admitted by the Dean to a special examination/s in these modules during January of the following year, provided that this will enable the student to comply with all the requirements for the degree.

Research information

A research project is compulsory and must be handed in for examination, as prescribed by the particular department.

Pass with distinction

The degree is conferred with distinction on a student who has obtained an average of at least 75%, with a minimum of 70% in each module.

Curriculum: Final year

Minimum credits: 128

When the full-time option is chosen, all "Fundamental" and "Core" modules must be selected. When the part-time option is chosen, NMQ 745, EDS 711, CDD 710 and API 711 must be selected in the 1st year and NMQ 755, LSN 730, SMP 780 and SCU 731 must be selected in the final year.

Fundamental modules

Part 1: Research proposal 755 (NMQ 755) - Credits: 16.00
Part 2: Research report 780 (SMP 780) - Credits: 16.00

Core modules

Assessment approaches and instruments 711 (API 711) - Credits: 16.00
Curriculum development 710 (CDD 710) - Credits: 16.00
Philosophy and social imperatives of education 711 (EDS 711) - Credits: 16.00
Life science education 730 (LSN 730) - Credits: 16.00
Educational research methodology 745 (NMQ 745) - Credits: 16.00
Sciences curriculum 731 (SCU 731) - Credits: 16.00

BEdHons Mathematics Education (09240001)

Minimum duration of study	1 year
Contact	Mr EN Mazibe ernest.mazibe@up.ac.za +27 (0)124203111

Admission requirements

A candidate can be admitted if he/she holds one of the following qualifications:

- a Bachelor’s degree and a teacher’s diploma/Postgraduate Certificate in Education (eg BA + HED); or
- a four-year composite degree in Education [eg BA(Ed)]; or

- an M+4 appropriate teacher's diploma, subject to specific approval and an appropriate Advanced Diploma in Education; or
- another academic qualification and appropriate prior learning, considered equivalent by the Dean for admission to a specific package.

Additional requirements

Selection is based on:

- Meeting the minimum academic requirements required for admission;
- Previous academic performance;
- Applicable academic and/or teaching background;
- Availability of supervision for the required research project;
- Proven academic potential which may include academic communication and computer application skills;
- Additionally, an interview may be requested;
- The requirements of professional registration bodies;
- The discretion of the head of department.

Examinations and pass requirements

Subject to exceptions approved by the Dean, on the recommendation of the relevant head of department, a student may not sit for an examination for the honours degree more than twice in the same module.

A final-year student who has failed a maximum of three semester modules or their equivalent, with a final mark of at least 40% in each, may be admitted by the Dean to a special examination/s in these modules during January of the following year, provided that this will enable the student to comply with all the requirements for the degree.

Research information

A research project is compulsory and must be handed in for examination, as prescribed by the particular department.

Pass with distinction

The degree is conferred with distinction on a student who has obtained an average of at least 75%, with a minimum of 70% in each module.

Curriculum: Final year

Minimum credits: 128

When the full-time option is chosen, all "Fundamental" and "Core" modules must be selected. When the part-time option is chosen, NMQ 745, EDS 711, CDD 710 and API 711 must be selected in the 1st year and NMQ 755, MCE 730, SMP 780 and SCU 731 must be selected in the final year.

Fundamental modules

Part 1: Research proposal 755 (NMQ 755) - Credits: 16.00
Part 2: Research report 780 (SMP 780) - Credits: 16.00

Core modules

Assessment approaches and instruments 711 (API 711) - Credits: 16.00
Curriculum development 710 (CDD 710) - Credits: 16.00

Philosophy and social imperatives of education 711 (EDS 711) - Credits: 16.00
Mathematics and mathematical literacy education 730 (MCE 730) - Credits: 16.00
Educational research methodology 745 (NMQ 745) - Credits: 16.00
Sciences curriculum 731 (SCU 731) - Credits: 16.00

BEdHons Physical Sciences Education (09240003)

Minimum duration of study	1 year
Contact	Mr EN Mazibe ernest.mazibe@up.ac.za +27 (0)124203111

Admission requirements

A candidate can be admitted if he/she holds one of the following qualifications:

- a Bachelor's degree and a teacher's diploma/Postgraduate Certificate in Education (eg BA + HED); or
- a four-year composite degree in Education [eg BA(Ed)]; or
- an M+4 appropriate teacher's diploma, subject to specific approval and an appropriate Advanced Diploma in Education; or
- another academic qualification and appropriate prior learning, considered equivalent by the Dean for admission to a specific package.

Additional requirements

Selection is based on:

- Meeting the minimum academic requirements required for admission;
- Previous academic performance;
- Applicable academic and/or teaching background;
- Availability of supervision for the required research project;
- Proven academic potential which may include academic communication and computer application skills;
- Additionally, an interview may be requested;
- The requirements of professional registration bodies;
- The discretion of the head of department.

Examinations and pass requirements

Subject to exceptions approved by the Dean, on the recommendation of the relevant head of department, a student may not sit for an examination for the honours degree more than twice in the same module.

A final-year student who has failed a maximum of three semester modules or their equivalent, with a final mark of at least 40% in each, may be admitted by the Dean to a special examination/s in these modules during January of the following year, provided that this will enable the student to comply with all the requirements for the degree.

Research information

A research project is compulsory and must be handed in for examination, as prescribed by the particular department.

Pass with distinction

The degree is conferred with distinction on a student who has obtained an average of at least 75%, with a minimum of 70% in each module.

Curriculum: Final year

Minimum credits: 128

When the full-time option is chosen, all "Fundamental" and "Core" modules must be selected. When the part-time option is chosen, NMQ 745, EDS 711, CDD 710 and API 711 must be selected in the 1st year and NMQ 755, PHN 730, SMP 780 and SCU 731 must be selected in the final year.

Fundamental modules

Part 1: Research proposal 755 (NMQ 755) - Credits: 16.00
Part 2: Research report 780 (SMP 780) - Credits: 16.00

Core modules

Assessment approaches and instruments 711 (API 711) - Credits: 16.00
Curriculum development 710 (CDD 710) - Credits: 16.00
Philosophy and social imperatives of education 711 (EDS 711) - Credits: 16.00
Educational research methodology 745 (NMQ 745) - Credits: 16.00
Physical sciences education 730 (PHN 730) - Credits: 16.00
Sciences curriculum 731 (SCU 731) - Credits: 16.00

BEdHons Teacher Education and Professional Development (09240021)

Minimum duration of study	1 year
Contact	Dr Y Woest yolandi.woest@up.ac.za +27 (0)124205532

Admission requirements

A candidate can be admitted if he/she holds one of the following qualifications:

- a Bachelor’s degree and a teacher’s diploma/Postgraduate Certificate in Education (eg BA + HED); or
- a four-year composite degree in Education [eg BA(Ed)]; or
- an M+4 appropriate teacher’s diploma, subject to specific approval and an appropriate Advanced Diploma in Education; or
- another academic qualification and appropriate prior learning, considered equivalent by the Dean for admission to a specific package.

Additional requirements

Selection is based on:

- Meeting the minimum academic requirements required for admission;
- Previous academic performance;
- Applicable academic and/or teaching background;
- Availability of supervision for the required research project;
- Proven academic potential which may include academic communication and computer application skills;
- Additionally, an interview may be requested;
- The requirements of professional registration bodies;
- The discretion of the head of department.

Examinations and pass requirements

Subject to exceptions approved by the Dean, on the recommendation of the relevant head of department, a

student may not sit for an examination for the honours degree more than twice in the same module.

A final-year student who has failed a maximum of three semester modules or their equivalent, with a final mark of at least 40% in each, may be admitted by the Dean to a special examination/s in these modules during January of the following year, provided that this will enable the student to comply with all the requirements for the degree.

Research information

A research project is compulsory and must be handed in for examination, as prescribed by the particular department.

Pass with distinction

The degree is conferred with distinction on a student who has obtained an average of at least 75%, with a minimum of 70% in each module.

Curriculum: Final year

Minimum credits: 128

When the full-time option is chosen, all "Fundamental" and "Core" modules must be selected. When the part-time option is chosen, NMQ 745, EDS 711, CDD 710 and API 711 must be selected in the 1st year and NMQ 755, one elective, CDV 780 and PFO 710 must be selected in the final year. **Elective module prerequisites** include Mathematics II for Mathematics education (MCE 730), Biology II or Zoology II or Botany II or General science ll for Life sciences education (LSN 730) and Physics II or Chemistry II or General science II for Physical sciences education (PHN 730). If SCU 731 is chosen, it can only be taken in the second semester. Approval from the relevant head of department is required for MCE 730, LSN 730 and PHN 730.

Fundamental modules

Part 2: Research report 780 (CDV 780) - Credits: 16.00
Part 1: Research proposal 755 (NMQ 755) - Credits: 16.00

Core modules

Assessment approaches and instruments 711 (API 711) - Credits: 16.00
Curriculum development 710 (CDD 710) - Credits: 16.00
Philosophy and social imperatives of education 711 (EDS 711) - Credits: 16.00
Educational research methodology 745 (NMQ 745) - Credits: 16.00
Professional development 710 (PFO 710) - Credits: 16.00

Elective modules

Education law and policy 730 (ELP 730) - Credits: 16.00
Gender in education 730 (GEE 730) - Credits: 16.00
History education 730 (HIE 730) - Credits: 16.00
Inclusive education 731 (ISA 731) - Credits: 16.00
Multi-literacies 730 (JGL 730) - Credits: 16.00
Life orientation education 710 (JLO 710) - Credits: 16.00
Learning support 710 (LSG 710) - Credits: 16.00
Life science education 730 (LSN 730) - Credits: 16.00
Mathematics and mathematical literacy education 730 (MCE 730) - Credits: 16.00
Physical sciences education 730 (PHN 730) - Credits: 16.00
Sciences curriculum 731 (SCU 731) - Credits: 16.00

Design and technology education 730 (TNO 730) - Credits: 16.00

BEdHons Teacher Education and Professional Development (Distance Education) (09240022)

Minimum duration of study	2 years

Admission requirements

A candidate can be admitted if he/she holds one of the following qualifications:

- a Bachelor's degree and a teacher's diploma/Postgraduate Certificate in Education (eg BA + HED); or
- a four-year composite degree in Education [eg BA(Ed)]; or
- an M+4 appropriate teacher's diploma, subject to specific approval and an appropriate Advanced Diploma in Education; or
- another academic qualification and appropriate prior learning, considered equivalent by the Dean for admission to a specific package.

Additional requirements

Selection is based on:

- Meeting the minimum academic requirements required for admission;
- Previous academic performance;
- Applicable academic and/or teaching background;
- Availability of supervision for the required research project;
- Proven academic potential which may include academic communication and computer application skills;
- Additionally, an interview may be requested;
- The requirements of professional registration bodies;
- The discretion of the head of department.

Examinations and pass requirements

Subject to exceptions approved by the Dean, on the recommendation of the relevant head of department, a student may not sit for an examination for the honours degree more than twice in the same module.

A final-year student who has failed a maximum of three semester modules or their equivalent, with a final mark of at least 40% in each, may be admitted by the Dean to a special examination/s in these modules during January of the following year, provided that this will enable the student to comply with all the requirements for the degree.

Research information

A research project is compulsory and must be handed in for examination, as prescribed by the particular department.

Pass with distinction

The degree is conferred with distinction on a student who has obtained an average of at least 75%, with a minimum of 70% in each module.

Curriculum: Block 1

Minimum credits: 32

Core modules

Philosophy and social imperatives of education 733 (EDS 733) - Credits: 16.00
Educational research methodology 734 (NMQ 734) - Credits: 16.00

Curriculum: Block 2

Minimum credits: 32

Core modules

Assessment approaches and instruments 733 (API 733) - Credits: 16.00
Curriculum development 733 (CDD 733) - Credits: 16.00

Curriculum: Block 3

Minimum credits: 32

Fundamental modules

Research proposal 735 (NMQ 735) - Credits: 16.00

Elective modules

Multi-literacies 733 (JGL 733) - Credits: 16.00

Curriculum: Block 4

Minimum credits: 32

Core modules

Research report 781 (CDV 781) - Credits: 16.00
Professional development 733 (PFO 733) - Credits: 16.00

BEdHons Technology Education (09240004)

Minimum duration of study	1 year
Contact	Mr EN Mazibe ernest.mazibe@up.ac.za +27 (0)124203111

Admission requirements

A candidate can be admitted if he/she holds one of the following qualifications:

- a Bachelor’s degree and a teacher’s diploma/Postgraduate Certificate in Education (eg BA + HED); or
- a four year composite degree in Education (eg BEd, BAEd); or
- an M+4 appropriate teacher’s diploma, subject to specific approval; or
- an appropriate Advanced Diploma in Education; or
- another academic qualification and appropriate prior learning, considered equivalent by the Dean for admission to a specific package.

Additional requirements

Selection is based on:

- Meeting the minimum academic requirements required for admission;
- Previous academic performance;
- Applicable academic and/or teaching background;
- Availability of supervision for the required research project;
- Proven academic potential which may include academic communication and computer application skills;

- Additionally, an interview may be requested;
- The requirements of professional registration bodies;
- The discretion of the head of department.

Examinations and pass requirements

Subject to exceptions approved by the Dean, on the recommendation of the relevant head of department, a student may not sit for an examination for the honours degree more than twice in the same module.

A final-year student who has failed a maximum of three semester modules or their equivalent, with a final mark of at least 40% in each, may be admitted by the Dean to a special examination/s in these modules during January of the following year, provided that this will enable the student to comply with all the requirements for the degree.

Research information

A research project is compulsory and must be handed in for examination, as prescribed by the particular department.

Pass with distinction

The degree is conferred with distinction on a student who has obtained an average of at least 75%, with a minimum of 70% in each module.

Curriculum: Final year

Minimum credits: 128

When the full-time option is chosen, all "Fundamental" and "Core" modules must be selected. When the part-time option is chosen, NMQ 745, EDS 711, CDD 710 and API 711 must be selected in the 1st year and NMQ 755, TNO 730, SMP 780 and SCU 731 must be selected in the final year.

Fundamental modules

Part 1: Research proposal 755 (NMQ 755) - Credits: 16.00
Part 2: Research report 780 (SMP 780) - Credits: 16.00

Core modules

Assessment approaches and instruments 711 (API 711) - Credits: 16.00
Curriculum development 710 (CDD 710) - Credits: 16.00
Philosophy and social imperatives of education 711 (EDS 711) - Credits: 16.00
Educational research methodology 745 (NMQ 745) - Credits: 16.00
Sciences curriculum 731 (SCU 731) - Credits: 16.00
Design and technology education 730 (TNO 730) - Credits: 16.00

Master's

MEd (09250004)

Minimum duration of study	2 years

Programme information

Students can choose one of the following focus areas:

- Science, Mathematics and Technology Education (09250004)
- Humanities Education (09250005)
- Early Childhood Education (09250006)
- Education Management and Policy Studies (09250007)

Admission requirements

A candidate can be admitted if he/she complies with the following requirements:

- a BEdHons degree/BEd (Postgraduate); or
- an applicable honours degree and a teacher’s diploma; and
- have achieved an average of at least 60% in the honours or related examination.

Senate may:

- grant a graduate of another university (either in South Africa or elsewhere) a status at the University that is equivalent to the status the student has at such other university;
- admit a person who has passed examinations at another university or institution (either in South Africa or elsewhere) which Senate deems equivalent to or higher than the examinations prescribed for a degree at the University which are set as a prerequisite for admission to a particular postgraduate study programme or for the admission of such a person as a research student;
- admit a person who in another manner has reached a standard of competence Senate considers adequate for the purposes of postgraduate study or research at the University as a student for a postgraduate degree or certificate.

Additional requirements

Selection is based on:

- meeting the minimum academic requirements required for admission;
- previous academic performance;
- applicable academic and/or teaching background;
- availability of supervision for the required research project;
- proven academic potential which may include academic communication and computer application skills;
- additionally, an interview may be requested;
- the requirements of professional registration bodies; and
- the discretion of the relevant head of department.

Other programme-specific information

- Renewal of registration after the two-year period is permitted only under special circumstances in which case the head of department may give approval for a limited fixed extension of this period in terms of the set

procedures.
- Students will be granted two opportunities to pass NMQ 800. Unsuccessful candidates will not be allowed to continue with the programme.
- This requirement applies to both the full research as well as the coursework master's degrees.

Research information

All master's students must submit a dissertation or a mini-dissertation and must pass Research Proposal (NMQ 800). For the MEd research degree programmes, a dissertation on a topic approved by the Dean on the recommendation of the relevant head of department must be submitted, following the approval of a complete research proposal. A literature study is not acceptable.

- One publishable article based on the research that the student conducted for the dissertation or the mini-dissertation and approved by the supervisor, must be submitted. The article must be submitted at the offices of Student Administration before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies.
- In addition to the copies referred to above, each successful student must submit a bound paper copy as well as two electronic copies of the approved mini-dissertation/dissertation to the Head: Student Administration in the format specified by the Faculty and in accordance with the minimum standards set by the Department of Library Services
- (see http://upetd.up.ac.za/authors/ publish/ standards.htm#specs), before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies.
- All students have to submit a research proposal during the first year of registration and defend it successfully before a panel of examiners appointed by the Dean, in collaboration with the relevant head of department, Supervisor and Research Coordinator, before they can start with the research.
- Students have to apply for ethical clearance to the relevant head of department and Ethics Committee and only commence with field work once the application for ethical clearance has been approved by the Ethics Committee.
- Students have to present a progress report on the research to the supervisor annually. Continued reregistration depends on satisfactory annual progress.
- All students have to attend the research capacity building sessions on quantitative and qualitative research at master's level.

Pass with distinction

The MEd degree is conferred with distinction on a student who obtains at least 75% in the dissertation.

Curriculum: Year 1

Minimum credits: 180

NMQ 801 (Research proposal) and NWT 890 for Science & Maths, or HUE 890 for Humanities, or ECD 890 for Early Childhood, or OWB 891 for Edu. Management and Policy Studies (Dissertation) should be selected in the 1st year. When NMQ 801 (Research proposal) has been passed in the 1st year, only Dissertation should be selected again in the final year. Students will be granted two opportunities to pass NMQ 801 (Research proposal).

Fundamental modules

Research proposal 801 (NMQ 801) - Credits: 0.00

Core modules

Dissertation: Science, mathematics and technology education 890 (NWT 890) - Credits: 180.00

Curriculum: Final year

Minimum credits: 180

Fundamental modules

Research proposal 801 (NMQ 801) - Credits: 0.00

Core modules

Dissertation: Science, mathematics and technology education 890 (NWT 890) - Credits: 180.00

MEd (09250005)

Minimum duration of study	2 years

Programme information

Students can choose one of the following focus areas:

- Science, Mathematics and Technology Education (09250004)
- Humanities Education (09250005)
- Early Childhood Education (09250006)
- Education Management and Policy Studies (09250007)

Admission requirements

A candidate can be admitted if he/she complies with the following requirements:

- a BEdHons degree/BEd (Postgraduate); or
- an applicable honours degree and a teacher's diploma; and
- have achieved an average of at least 60% in the honours or related examination.

Senate may:

- grant a graduate of another university (either in South Africa or elsewhere) a status at the University that is equivalent to the status the student has at such other university;
- admit a person who has passed examinations at another university or institution (either in South Africa or elsewhere) which Senate deems equivalent to or higher than the examinations prescribed for a degree at the University which are set as a prerequisite for admission to a particular postgraduate study programme or for the admission of such a person as a research student;
- admit a person who in another manner has reached a standard of competence Senate considers adequate for the purposes of postgraduate study or research at the University as a student for a postgraduate degree or certificate.

Additional requirements

Selection is based on:

- meeting the minimum academic requirements required for admission;
- previous academic performance;
- applicable academic and/or teaching background;
- availability of supervision for the required research project;
- proven academic potential which may include academic communication and computer application skills;

- additionally, an interview may be requested;
- the requirements of professional registration bodies; and
- the discretion of the relevant head of department.

Other programme-specific information

- Renewal of registration after the two-year period is permitted only under special circumstances in which case the head of department may give approval for a limited fixed extension of this period in terms of the set procedures.
- Students will be granted two opportunities to pass NMQ 800. Unsuccessful candidates will not be allowed to continue with the programme.
- This requirement applies to both the full research as well as the coursework master's degrees.

Research information

All master's students must submit a dissertation or a mini-dissertation and must pass Research Proposal (NMQ 800). For the MEd research degree programmes, a dissertation on a topic approved by the Dean on the recommendation of the relevant head of department must be submitted, following the approval of a complete research proposal. A literature study is not acceptable.

- One publishable article based on the research that the student conducted for the dissertation or the mini-dissertation and approved by the supervisor, must be submitted. The article must be submitted at the offices of Student Administration before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies.
- In addition to the copies referred to above, each successful student must submit a bound paper copy as well as two electronic copies of the approved mini-dissertation/dissertation to the Head: Student Administration in the format specified by the Faculty and in accordance with the minimum standards set by the Department of Library Services
- (see http://upetd.up.ac.za/authors/ publish/ standards.htm#specs), before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies.
- All students have to submit a research proposal during the first year of registration and defend it successfully before a panel of examiners appointed by the Dean, in collaboration with the relevant head of department, Supervisor and Research Coordinator, before they can start with the research.
- Students have to apply for ethical clearance to the relevant head of department and Ethics Committee and only commence with field work once the application for ethical clearance has been approved by the Ethics Committee.
- Students have to present a progress report on the research to the supervisor annually. Continued reregistration depends on satisfactory annual progress.
- All students have to attend the research capacity building sessions on quantitative and qualitative research at master's level.

Pass with distinction

The MEd degree is conferred with distinction on a student who obtains at least 75% in the dissertation.

Curriculum: Year 1

Minimum credits: 180

Fundamental modules
Research proposal 801 (NMQ 801) - Credits: 0.00

Core modules
Dissertation: Humanities education 890 (HUE 890) - Credits: 180.00

Curriculum: Final year
Minimum credits: 180

Fundamental modules
Research proposal 801 (NMQ 801) - Credits: 0.00

Core modules
Dissertation: Humanities education 890 (HUE 890) - Credits: 180.00

MEd (09250006)

Minimum duration of study	2 years

Programme information

Students can choose one of the following focus areas:

- Science, Mathematics and Technology Education (09250004)
- Humanities Education (09250005)
- Early Childhood Education (09250006)
- Education Management and Policy Studies (09250007)

Admission requirements

A candidate can be admitted if he/she complies with the following requirements:

- a BEdHons degree/BEd (Postgraduate); or
- an applicable honours degree and a teacher’s diploma; and
- have achieved an average of at least 60% in the honours or related examination.

Senate may:

- grant a graduate of another university (either in South Africa or elsewhere) a status at the University that is equivalent to the status the student has at such other university;
- admit a person who has passed examinations at another university or institution (either in South Africa or elsewhere) which Senate deems equivalent to or higher than the examinations prescribed for a degree at the University which are set as a prerequisite for admission to a particular postgraduate study programme or for the admission of such a person as a research student;
- admit a person who in another manner has reached a standard of competence Senate considers adequate for the purposes of postgraduate study or research at the University as a student for a postgraduate degree or certificate.

Additional requirements

Selection is based on:

- meeting the minimum academic requirements required for admission;
- previous academic performance;

- applicable academic and/or teaching background;
- availability of supervision for the required research project;
- proven academic potential which may include academic communication and computer application skills;
- additionally, an interview may be requested;
- the requirements of professional registration bodies; and
- the discretion of the relevant head of department.

Other programme-specific information

- Renewal of registration after the two-year period is permitted only under special circumstances in which case the head of department may give approval for a limited fixed extension of this period in terms of the set procedures.
- Students will be granted two opportunities to pass NMQ 800. Unsuccessful candidates will not be allowed to continue with the programme.
- This requirement applies to both the full research as well as the coursework master's degrees.

Research information

All master's students must submit a dissertation or a mini-dissertation and must pass Research Proposal (NMQ 800). For the MEd research degree programmes, a dissertation on a topic approved by the Dean on the recommendation of the relevant head of department must be submitted, following the approval of a complete research proposal. A literature study is not acceptable.

- One publishable article based on the research that the student conducted for the dissertation or the mini-dissertation and approved by the supervisor, must be submitted. The article must be submitted at the offices of Student Administration before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies.
- In addition to the copies referred to above, each successful student must submit a bound paper copy as well as two electronic copies of the approved mini-dissertation/dissertation to the Head: Student Administration in the format specified by the Faculty and in accordance with the minimum standards set by the Department of Library Services
- (see http://upetd.up.ac.za/authors/ publish/ standards.htm#specs), before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies.
- All students have to submit a research proposal during the first year of registration and defend it successfully before a panel of examiners appointed by the Dean, in collaboration with the relevant head of department, Supervisor and Research Coordinator, before they can start with the research.
- Students have to apply for ethical clearance to the relevant head of department and Ethics Committee and only commence with field work once the application for ethical clearance has been approved by the Ethics Committee.
- Students have to present a progress report on the research to the supervisor annually. Continued reregistration depends on satisfactory annual progress.
- All students have to attend the research capacity building sessions on quantitative and qualitative research at master's level.

Pass with distinction

The MEd degree is conferred with distinction on a student who obtains at least 75% in the dissertation.

Curriculum: Year 1

Minimum credits: 180

Fundamental modules

Research proposal 801 (NMQ 801) - Credits: 0.00

Core modules

Dissertation: Early childhood education 890 (ECD 890) - Credits: 180.00

Curriculum: Final year

Minimum credits: 180

Fundamental modules

Research proposal 801 (NMQ 801) - Credits: 0.00

Core modules

Dissertation: Early childhood education 890 (ECD 890) - Credits: 180.00

MEd (09250007)

Minimum duration of study	2 years

Programme information

Students can choose one of the following focus areas:

- Science, Mathematics and Technology Education (09250004)
- Humanities Education (09250005)
- Early Childhood Education (09250006)
- Education Management and Policy Studies (09250007)

Admission requirements

A candidate can be admitted if he/she complies with the following requirements:

- a BEdHons degree/BEd (Postgraduate); or
- an applicable honours degree and a teacher’s diploma; and
- have achieved an average of at least 60% in the honours or related examination.

Senate may:

- grant a graduate of another university (either in South Africa or elsewhere) a status at the University that is equivalent to the status the student has at such other university;
- admit a person who has passed examinations at another university or institution (either in South Africa or elsewhere) which Senate deems equivalent to or higher than the examinations prescribed for a degree at the University which are set as a prerequisite for admission to a particular postgraduate study programme or for the admission of such a person as a research student;
- admit a person who in another manner has reached a standard of competence Senate considers adequate for the purposes of postgraduate study or research at the University as a student for a postgraduate degree or certificate.

Additional requirements

Selection is based on:

- meeting the minimum academic requirements required for admission;
- previous academic performance;
- applicable academic and/or teaching background;
- availability of supervision for the required research project;
- proven academic potential which may include academic communication and computer application skills;
- additionally, an interview may be requested;
- the requirements of professional registration bodies; and
- the discretion of the relevant head of department.

Other programme-specific information

- Renewal of registration after the two-year period is permitted only under special circumstances in which case the head of department may give approval for a limited fixed extension of this period in terms of the set procedures.
- Students will be granted two opportunities to pass NMQ 800. Unsuccessful candidates will not be allowed to continue with the programme.
- This requirement applies to both the full research as well as the coursework master's degrees.

Research information

All master's students must submit a dissertation or a mini-dissertation and must pass Research Proposal (NMQ 800). For the MEd research degree programmes, a dissertation on a topic approved by the Dean on the recommendation of the relevant head of department must be submitted, following the approval of a complete research proposal. A literature study is not acceptable.

- One publishable article based on the research that the student conducted for the dissertation or the mini-dissertation and approved by the supervisor, must be submitted. The article must be submitted at the offices of Student Administration before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies.
- In addition to the copies referred to above, each successful student must submit a bound paper copy as well as two electronic copies of the approved mini-dissertation/dissertation to the Head: Student Administration in the format specified by the Faculty and in accordance with the minimum standards set by the Department of Library Services
- (see http://upetd.up.ac.za/authors/ publish/ standards.htm#specs), before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies.
- All students have to submit a research proposal during the first year of registration and defend it successfully before a panel of examiners appointed by the Dean, in collaboration with the relevant head of department, Supervisor and Research Coordinator, before they can start with the research.
- Students have to apply for ethical clearance to the relevant head of department and Ethics Committee and only commence with field work once the application for ethical clearance has been approved by the Ethics Committee.
- Students have to present a progress report on the research to the supervisor annually. Continued reregistration depends on satisfactory annual progress.
- All students have to attend the research capacity building sessions on quantitative and qualitative research at master's level.

Pass with distinction

The MEd degree is conferred with distinction on a student who obtains at least 75% in the dissertation.

Curriculum: Year 1

Minimum credits: 180

Fundamental modules

Research proposal 801 (NMQ 801) - Credits: 0.00

Core modules

Dissertation: Education management and policy studies 891 (OWB 891) - Credits: 180.00

Curriculum: Final year

Minimum credits: 180

Fundamental modules

Research proposal 801 (NMQ 801) - Credits: 0.00

Core modules

Dissertation: Education management and policy studies 891 (OWB 891) - Credits: 180.00

MEd Adult and Community Education and Training (09250551)

Minimum duration of study	2 years

Admission requirements

A candidate can be admitted if he/she holds one of the following qualifications:

- a BEdHons degree/BEd (Postgraduate); or
- an applicable honours degree and a teacher's diploma; and
- have achieved an average of at least 60% in the honours or related examination.

Senate may:

- grant a graduate of another university (either in South Africa or elsewhere) a status at the University that is equivalent to the status the student has at such other higher education institution;
- admit a person, who has passed examinations at another university or institution (either in South Africa or elsewhere) which Senate deems equivalent to or higher than the examinations prescribed for a degree at the University which are set as a prerequisite for admission to a particular postgraduate study programme or for the admission of such a person as a research student; or
- admit a person who in another manner has reached a standard of competence Senate considers adequate for the purposes of postgraduate study or research at the University as a student for a postgraduate degree or certificate.

Additional requirements

Selection is based on:

- meeting the minimum academic requirements required for admission;
- previous academic performance;
- applicable academic and/or teaching background;
- availability of supervision for the required research project;
- proven academic potential which may include academic communication and computer application skills;

- additionally, an interview may be requested;
- the requirements of professional registration bodies; and
- the discretion of the relevant head of department.

Other programme-specific information

- Renewal of registration after the two-year period is permitted only under special circumstances in which case the head of department may give approval for a limited fixed extension of this period in terms of the set procedures.
- Students will be granted two opportunities to pass NMQ 800. Unsuccessful candidates will not be allowed to continue with the programme.
- This requirement applies to both the full research as well as the coursework master's degrees.

Research information

All master's students must submit a dissertation or a mini-dissertation and must pass Research Proposal (NMQ 800). For the MEd research degree programmes, a dissertation on a topic approved by the Dean on the recommendation of the relevant head of department must be submitted, following the approval of a complete research proposal. A literature study is not acceptable.

- One publishable article based on the research that the student conducted for the dissertation or the mini-dissertation and approved by the supervisor, must be submitted. The article must be submitted at the offices of Student Administration before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies.
- In addition to the copies referred to above, each successful student must submit a bound paper copy as well as two electronic copies of the approved mini-dissertation/dissertation to the Head: Student Administration in the format specified by the Faculty and in accordance with the minimum standards set by the Department of Library Services
- (see http://upetd.up.ac.za/authors/ publish/ standards.htm#specs), before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies.
- All students have to submit a research proposal during the first year of registration and defend it successfully before a panel of examiners appointed by the Dean, in collaboration with the relevant head of department, Supervisor and Research Coordinator, before they can start with the research.
- Students have to apply for ethical clearance to the relevant head of department and Ethics Committee and only commence with field work once the application for ethical clearance has been approved by the Ethics Committee.
- Students have to present a progress report on the research to the supervisor annually. Continued reregistration depends on satisfactory annual progress.
- All students have to attend the research capacity building sessions on quantitative and qualitative research at master's level.

Pass with distinction

The MEd degree is conferred with distinction on a student who obtains at least 75% in the dissertation.

Curriculum: Year 1

Minimum credits: 180

NMQ 801 (Research proposal) and ACT 890 (Dissertation) should be selected in the 1st year. When NMQ 801

(Research proposal) has been passed in the 1st year, only Dissertation should be selected again in the final year. Students will be granted two opportunities to pass NMQ 801 (Research proposal).

Fundamental modules
Research proposal 801 (NMQ 801) - Credits: 0.00

Core modules
Dissertation: Adult and community education and training 890 (ACT 890) - Credits: 180.00

Curriculum: Final year
Minimum credits: 180

Fundamental modules
Research proposal 801 (NMQ 801) - Credits: 0.00

Core modules
Dissertation: Adult and community education and training 890 (ACT 890) - Credits: 180.00

MEd Assessment and Quality Assurance in Education and Training (09250562)

Minimum duration of study	2 years

Admission requirements

A candidate can be admitted if he/she holds one of the following qualifications:

- a BEdHons degree/BEd (Postgraduate); or
- an applicable honours degree and a teacher's diploma; and
- have achieved an average of at least 60% in the honours or related examination.

Senate may:

- grant a graduate of another university (either in South Africa or elsewhere) a status at the University that is equivalent to the status the student has at such other higher education institution;
- admit a person, who
- has passed examinations at another university or institution (either in South Africa or elsewhere) which Senate deems equivalent to or higher than the examinations prescribed for a degree at the University which are set as a prerequisite for admission to a particular postgraduate study programme or for the admission of such a person as a research student; ot
- in another manner has reached a standard of competence Senate considers adequate for the purposes of postgraduate study or research at the University as a student for a postgraduate degree or certificate.

Additional requirements

Selection is based on:

- meeting the minimum academic requirements required for admission;
- previous academic performance;
- applicable academic and/or teaching background;
- availability of supervision for the required research project;
- proven academic potential which may include academic communication and computer application skills;
- additionally, an interview may be requested;
- the requirements of professional registration bodies; and

- the discretion of the relevant head of department.

Other programme-specific information

- Renewal of registration after the two-year period is permitted only under special circumstances in which case the head of department may give approval for a limited fixed extension of this period in terms of the set procedures.
- Students will be granted two opportunities to pass NMQ 800. Unsuccessful candidates will not be allowed to continue with the programme.
- This requirement applies to both the full research as well as the coursework master's degrees.

Research information

All master's students must submit a dissertation or a mini-dissertation and must pass Research Proposal (NMQ 800). For the MEd research degree programmes, a dissertation on a topic approved by the Dean on the recommendation of the relevant head of department must be submitted, following the approval of a complete research proposal. A literature study is not acceptable.

- One publishable article based on the research that the student conducted for the dissertation or the mini-dissertation and approved by the supervisor, must be submitted. The article must be submitted at the offices of Student Administration before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies.
- In addition to the copies referred to above, each successful student must submit a bound paper copy as well as two electronic copies of the approved mini-dissertation/dissertation to the Head: Student Administration in the format specified by the Faculty and in accordance with the minimum standards set by the Department of Library Services
- (see http://upetd.up.ac.za/authors/ publish/ standards.htm#specs), before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies.
- All students have to submit a research proposal during the first year of registration and defend it successfully before a panel of examiners appointed by the Dean, in collaboration with the relevant head of department, Supervisor and Research Coordinator, before they can start with the research.
- Students have to apply for ethical clearance to the relevant head of department and Ethics Committee and only commence with field work once the application for ethical clearance has been approved by the Ethics Committee.
- Students have to present a progress report on the research to the supervisor annually. Continued reregistration depends on satisfactory annual progress.
- All students have to attend the research capacity building sessions on quantitative and qualitative research at master's level.

Pass with distinction

The MEd degree is conferred with distinction on a student who obtains at least 75% in the dissertation.

Curriculum: Year 1

Minimum credits: 180

NMQ 801 (Research proposal) and AQA 890 (Dissertation) should be selected in the 1st year. When NMQ 801 (Research proposal) has been passed in the 1st year, only AQA 890 (Dissertation) should be selected again in the final year. Students will be granted two opportunities to pass NMQ 801 (Research proposal).

Fundamental modules
Research proposal 801 (NMQ 801) - Credits: 0.00

Core modules
Dissertation: Assessment and quality assurance 890 (AQA 890) - Credits: 180.00

Curriculum: Final year
Minimum credits: 180

NMQ 801 (Research proposal) and AQA 890 (Dissertation) should be selected in the 1st year. When NMQ 801 (Research proposal) has been passed in the 1st year, only AQA 890 (Dissertation) should be selected again in the final year. Students will be granted two opportunities to pass NMQ 801 (Research proposal).

Fundamental modules
Research proposal 801 (NMQ 801) - Credits: 0.00

Core modules
Dissertation: Assessment and quality assurance 890 (AQA 890) - Credits: 180.00

MEd Curriculum and Instructional Design and Development (09250541)

Minimum duration of study	2 years

Admission requirements

A candidate can be admitted if he/she holds one of the following qualifications:

- a BEdHons degree/BEd (Postgraduate); or
- an applicable honours degree and a teacher's diploma; and
- have achieved an average of at least 60% in the honours or related examination.

Senate may:

- grant a graduate of another university (either in South Africa or elsewhere) a status at the University that is equivalent to the status the student has at such other higher education institution;
- admit a person, who has passed examinations at another university or institution (either in South Africa or elsewhere) which Senate deems equivalent to or higher than the examinations prescribed for a degree at the University which are set as a prerequisite for admission to a particular postgraduate study programme or for the admission of such a person as a research student; or
- admit a person who in another manner has reached a standard of competence Senate considers adequate for the purposes of postgraduate study or research at the University as a student for a postgraduate degree or certificate.

Additional requirements

Selection is based on:

- meeting the minimum academic requirements required for admission;
- previous academic performance;
- applicable academic and/or teaching background;
- availability of supervision for the required research project;
- proven academic potential which may include academic communication and computer application skills;
- additionally, an interview may be requested;

- the requirements of professional registration bodies; and
- the discretion of the relevant head of department.

Other programme-specific information

- Renewal of registration after the two-year period is permitted only under special circumstances in which case the head of department may give approval for a limited fixed extension of this period in terms of the set procedures.
- Students will be granted two opportunities to pass NMQ 800. Unsuccessful candidates will not be allowed to continue with the programme.
- This requirement applies to both the full research as well as the coursework master's degrees.

Research information

All master's students must submit a dissertation or a mini-dissertation and must pass Research Proposal (NMQ 800). For the MEd research degree programmes, a dissertation on a topic approved by the Dean on the recommendation of the relevant head of department must be submitted, following the approval of a complete research proposal. A literature study is not acceptable.

- One publishable article based on the research that the student conducted for the dissertation or the mini-dissertation and approved by the supervisor, must be submitted. The article must be submitted at the offices of Student Administration before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies.
- In addition to the copies referred to above, each successful student must submit a bound paper copy as well as two electronic copies of the approved mini-dissertation/dissertation to the Head: Student Administration in the format specified by the Faculty and in accordance with the minimum standards set by the Department of Library Services
- (see http://upetd.up.ac.za/authors/ publish/ standards.htm#specs), before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies.
- All students have to submit a research proposal during the first year of registration and defend it successfully before a panel of examiners appointed by the Dean, in collaboration with the relevant head of department, Supervisor and Research Coordinator, before they can start with the research.
- Students have to apply for ethical clearance to the relevant head of department and Ethics Committee and only commence with field work once the application for ethical clearance has been approved by the Ethics Committee.
- Students have to present a progress report on the research to the supervisor annually. Continued reregistration depends on satisfactory annual progress.
- All students have to attend the research capacity building sessions on quantitative and qualitative research at master's level.

Pass with distinction

The MEd degree is conferred with distinction on a student who obtains at least 75% in the dissertation.

Curriculum: Year 1

Minimum credits: 180

NMQ 801 (Research proposal) and CDV 890 (Dissertation) should be selected in the 1st year. When NMQ 801 (Research proposal) has been passed in the 1st year, only Dissertation should be selected again in the final

year. Students will be granted two opportunities to pass NMQ 801 (Research proposal).

Fundamental modules
Research proposal 801 (NMQ 801) - Credits: 0.00

Core modules
Dissertation: Curriculum and instructional design and development 890 (CDV 890) - Credits: 180.00

Curriculum: Final year
Minimum credits: 180

Fundamental modules
Research proposal 801 (NMQ 801) - Credits: 0.00

Core modules
Dissertation: Curriculum and instructional design and development 890 (CDV 890) - Credits: 180.00

MEd Education Management, Law and Policy (09250573)

Minimum duration of study	2 years

Admission requirements

A candidate can be admitted if he/she holds one of the following qualifications:

- a BEdHons degree/BEd (Postgraduate); or
- an applicable honours degree and a teacher's diploma; and
- have achieved an average of at least 60% in the honours or related examination.

Senate may:

- grant a graduate of another university (either in South Africa or elsewhere) a status at the University that is equivalent to the status the student has at such other higher education institution;
- admit a person, who has passed examinations at another university or institution (either in South Africa or elsewhere) which Senate deems equivalent to or higher than the examinations prescribed for a degree at the University which are set as a prerequisite for admission to a particular postgraduate study programme or for the admission of such a person as a research student; or
- admit a person who in another manner has reached a standard of competence Senate considers adequate for the purposes of postgraduate study or research at the University as a student for a postgraduate degree or certificate.

Additional requirements

Selection is based on:

- meeting the minimum academic requirements required for admission;
- previous academic performance;
- applicable academic and/or teaching background;
- availability of supervision for the required research project;
- proven academic potential which may include academic communication and computer application skills;
- additionally, an interview may be requested;
- the requirements of professional registration bodies; and
- the discretion of the relevant head of department.

Other programme-specific information

- Renewal of registration after the two-year period is permitted only under special circumstances in which case the head of department may give approval for a limited fixed extension of this period in terms of the set procedures.
- Students will be granted two opportunities to pass NMQ 800. Unsuccessful candidates will not be allowed to continue with the programme.
- This requirement applies to both the full research as well as the coursework master's degrees.

Research information

All master's students must submit a dissertation or a mini-dissertation and must pass Research Proposal (NMQ 800). For the MEd research degree programmes, a dissertation on a topic approved by the Dean on the recommendation of the relevant head of department must be submitted, following the approval of a complete research proposal. A literature study is not acceptable.

- One publishable article based on the research that the student conducted for the dissertation or the mini-dissertation and approved by the supervisor, must be submitted. The article must be submitted at the offices of Student Administration before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies.
- In addition to the copies referred to above, each successful student must submit a bound paper copy as well as two electronic copies of the approved mini-dissertation/dissertation to the Head: Student Administration in the format specified by the Faculty and in accordance with the minimum standards set by the Department of Library Services
- (see http://upetd.up.ac.za/authors/ publish/ standards.htm#specs), before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies.
- All students have to submit a research proposal during the first year of registration and defend it successfully before a panel of examiners appointed by the Dean, in collaboration with the relevant head of department, Supervisor and Research Coordinator, before they can start with the research.
- Students have to apply for ethical clearance to the relevant head of department and Ethics Committee and only commence with field work once the application for ethical clearance has been approved by the Ethics Committee.
- Students have to present a progress report on the research to the supervisor annually. Continued reregistration depends on satisfactory annual progress.
- All students have to attend the research capacity building sessions on quantitative and qualitative research at master's level.

Pass with distinction

The MEd degree is conferred with distinction on a student who obtains at least 75% in the dissertation.

Curriculum: Year 1

Minimum credits: 180

NMQ 801 (Research proposal) and OWB 890 (Dissertation) should be selected in the 1st year. When NMQ 801 (Research proposal) has been passed in the 1st year, only Dissertation should be selected again in the final year. Students will be granted two opportunities to pass NMQ 801 (Research proposal).

Fundamental modules
Research proposal 801 (NMQ 801) - Credits: 0.00

Core modules
Dissertation: Education management 890 (OWB 890) - Credits: 180.00

Curriculum: Final year
Minimum credits: 180

Fundamental modules
Research proposal 801 (NMQ 801) - Credits: 0.00

Core modules
Dissertation: Education management 890 (OWB 890) - Credits: 180.00

MEd Educational Leadership (Coursework) (09250578)

Minimum duration of study	2 years

Admission requirements

A candidate can be admitted if he/she holds one of the following qualifications:

- a BEdHons degree/BEd (Postgraduate); or
- an applicable honours degree and a teacher's diploma; and
- have achieved an average of at least 60% in the honours or related examination.

Senate may:

- grant a graduate of another university (either in South Africa or elsewhere) a status at the university that is equivalent to the status the student has at such other university;
- admit a person who has passed examinations at another university or institution (either in South Africa or elsewhere) which the Senate deems equivalent to or higher than the examinations prescribed for a degree at the University, which are set as a prerequisite for admission to a particular postgraduate study programme, or for the admission of such a person as a research student; or
- admit a person who in another manner has reached a standard of competence the Senate considers adequate for the purpose of postgraduate study or research at the University, as a student for a postgraduate degree, diploma or certificate.

Additional requirements

Selection is based on:

- meeting the minimum academic requirements required for admission;
- previous academic performance;
- applicable academic and/or teaching background;
- availability of supervision for the required research project;
- proven academic potential which may include academic communication and computer application skills;
- additionally, an interview may be requested;
- the requirements of professional registration bodies; and
- the discretion of the relevant head of department.

Other programme-specific information

- Renewal of registration after the two-year period is permitted only under special circumstances in which case the head of department may give approval for a limited fixed extension of this period in terms of the set procedures.
- Students will be granted two opportunities to pass NMQ 800. Unsuccessful candidates will not be allowed to continue with the programme.
- This requirement applies to both the full research as well as the coursework master's degrees.

Research information

All master's students must submit a dissertation or a mini-dissertation and must pass Research Proposal (NMQ 800). For the MEd research degree programmes, a dissertation on a topic approved by the Dean on the recommendation of the relevant head of department must be submitted, following the approval of a complete research proposal. A literature study is not acceptable.

- One publishable article based on the research that the student conducted for the dissertation or the mini-dissertation and approved by the supervisor, must be submitted. The article must be submitted at the offices of Student Administration before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies.
- In addition to the copies referred to above, each successful student must submit a bound paper copy as well as two electronic copies of the approved mini-dissertation/dissertation to the Head: Student Administration in the format specified by the Faculty and in accordance with the minimum standards set by the Department of Library Services
- (see http://upetd.up.ac.za/authors/ publish/ standards.htm#specs), before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies.
- All students have to submit a research proposal during the first year of registration and defend it successfully before a panel of examiners appointed by the Dean, in collaboration with the relevant head of department, Supervisor and Research Coordinator, before they can start with the research.
- Students have to apply for ethical clearance to the relevant head of department and Ethics Committee and only commence with field work once the application for ethical clearance has been approved by the Ethics Committee.
- Students have to present a progress report on the research to the supervisor annually. Continued reregistration depends on satisfactory annual progress.
- All students have to attend the research capacity building sessions on quantitative and qualitative research at master's level.

Pass with distinction

The MEd degree with coursework is conferred with distinction on a student who obtains 75% in the mini-dissertation and an average of 75% in the remaining modules.

Curriculum: Year 1

Minimum credits: 180

Fundamental modules

Research proposal 800 (NMQ 800) - Credits: 30.00

Core modules

Human and financial resources management in education 880 (HFE 880) - Credits: 30.00
Leadership and management of learning in education 880 (LBL 880) - Credits: 30.00
Education law 880 (OWR 880) - Credits: 30.00
Mini-dissertation 895 (OWR 895) - Credits: 60.00

Curriculum: Final year

Minimum credits: 180

Fundamental modules

Research proposal 800 (NMQ 800) - Credits: 30.00

Core modules

Human and financial resources management in education 880 (HFE 880) - Credits: 30.00
Leadership and management of learning in education 880 (LBL 880) - Credits: 30.00
Education law 880 (OWR 880) - Credits: 30.00
Mini-dissertation 895 (OWR 895) - Credits: 60.00

MEd Educational Psychology (Coursework) (09250203)

Minimum duration of study	2 years

Programme information

The closing date for applications for the programme is 31 July and selection takes place in August. The programme includes practical work per week that enables students to comply with the requirements for registration as an Educational Psychologist with the Health Professions Council of South Africa, after completion of an internship in Educational Psychology at an institution approved by the abovementioned Council for this purpose. The University is under no obligation to provide students with or assist them in finding internships.

Students are provisionally selected during the formal selection that takes place in August. Finalisation of selection takes place in the following June of every year. The Department of Educational Psychology therefore reserves the right to reconsider a student's admission to the programme during the first six months of study, based on both demonstrated training and career-orientated ability.

Admission requirements

A compulsory selection form has to be completed together with the UP application form.

A candidate can be admitted if he/she complies with the following requirements:

- a BEdHons degree/BEd (Postgraduate); or
- an applicable honours degree and a teacher's diploma; and
- have achieved an average of at least 60% in the honours or related examination.

Senate may:

- grant a graduate of another university (either in South Africa or elsewhere) a status at the University that is equivalent to the status the student has at such other higher education institution;
- admit a person, who
- has passed examinations at another university or institution (either in South Africa or elsewhere) which Senate deems equivalent to or higher than the examinations prescribed for a degree at the University which are set as a prerequisite for admission to a particular postgraduate study programme or for the admission of such a

person as a research student; ot
- in another manner has reached a standard of competence Senate considers adequate for the purposes of postgraduate study or research at the University as a student for a postgraduate degree or certificate

Additional admission requirements

- Education III
- Psychology III
- BEdHons degree in Educational Psychology/BPsych-degree/Honours degree in Psychology

Additional requirements

All applications are subject to selection.

Selection is based on:

- meeting the minimum academic requirements required for admission;
- previous academic performance;
- applicable academic and/or teaching background;
- availability of supervision for the required research project;
- proven academic potential which may include academic communication and computer application skills;
- additionally, an interview may be requested;
- the requirements of professional registration bodies;
- the discretion of the head of department.

Other programme-specific information

- Renewal of registration after the two-year period is permitted only under special circumstances in which case the head of department may give approval for a limited fixed extension of this period in terms of the set procedures.
- Students will be granted two opportunities to pass NMQ 800. Unsuccessful candidates will not be allowed to continue with the programme.
- This requirement applies to both the full research as well as the coursework master's degrees.

Research information

All master's students must submit a dissertation or a mini-dissertation and must pass Research Proposal (NMQ 800). For the MEd research degree programmes, a dissertation on a topic approved by the Dean on the recommendation of the relevant head of department must be submitted, following the approval of a complete research proposal. A literature study is not acceptable.

- One publishable article based on the research that the student conducted for the dissertation or the mini-dissertation and approved by the supervisor, must be submitted. The article must be submitted at the offices of Student Administration before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies.
- In addition to the copies referred to above, each successful student must submit a bound paper copy as well as two electronic copies of the approved mini-dissertation/dissertation to the Head: Student Administration in the format specified by the Faculty and in accordance with the minimum standards set by the Department of Library Services
- (see http://upetd.up.ac.za/authors/ publish/ standards.htm#specs), before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies.

- All students have to submit a research proposal during the first year of registration and defend it successfully before a panel of examiners appointed by the Dean, in collaboration with the relevant head of department, Supervisor and Research Coordinator, before they can start with the research.
- Students have to apply for ethical clearance to the relevant head of department and Ethics Committee and only commence with field work once the application for ethical clearance has been approved by the Ethics Committee.
- Students have to present a progress report on the research to the supervisor annually. Continued reregistration depends on satisfactory annual progress.
- All students have to attend the research capacity building sessions on quantitative and qualitative research at master's level.

Pass with distinction

The MEd degree with coursework is conferred with distinction on a student who obtains 75% in the mini-dissertation and an average of 75% in the remaining modules.

Curriculum: Year 1

Minimum credits: 240

All the Core modules and the fundamental module NMQ 800 (Research proposal) should be selected in the 1st year. When the "Research proposal" has been passed in the 1st year, only the "mini-dissertation" should be selected again in the final year. Students will be granted two opportunities to pass NMQ 800.

Fundamental modules

Research proposal 800 (NMQ 800) - Credits: 30.00

Core modules

Career counselling 805 (BOP 805) - Credits: 10.00
Educational psychology assessment for learning and development 875 (ODD 875) - Credits: 10.00
Educational psychological learning support 875 (ODH 875) - Credits: 10.00
Mini-dissertation 895 (ODK 895) - Credits: 120.00
Educational psychology pathways to emotional and behavioural wellbeing 805 (OPG 805) - Credits: 10.00
Educational Psychology Practice 801 (OPR 801) - Credits: 40.00
Family-oriented intervention 805 (OUB 805) - Credits: 10.00

Curriculum: Final year

Minimum credits: 240

Fundamental modules

Research proposal 800 (NMQ 800) - Credits: 30.00

Core modules

Career counselling 805 (BOP 805) - Credits: 10.00
Educational psychology assessment for learning and development 875 (ODD 875) - Credits: 10.00
Educational psychological learning support 875 (ODH 875) - Credits: 10.00
Mini-dissertation 895 (ODK 895) - Credits: 120.00
Educational psychology pathways to emotional and behavioural wellbeing 805 (OPG 805) - Credits: 10.00
Educational Psychology Practice 801 (OPR 801) - Credits: 40.00
Family-oriented intervention 805 (OUB 805) - Credits: 10.00

MEd Learning Support Guidance and Counselling (09250502)

Minimum duration of study	2 years

Admission requirements

A candidate can be admitted if he/she holds one of the following qualifications:

- a BEdHons degree/BEd (Postgraduate); or
- an applicable honours degree and a teacher's diploma; and
- have achieved an average of at least 60% in the honours or related examination.

Senate may:

- grant a graduate of another university (either in South Africa or elsewhere) a status at the University that is equivalent to the status the student has at such other higher education institution;
- admit a person, who has passed examinations at another university or institution (either in South Africa or elsewhere) which Senate deems equivalent to or higher than the examinations prescribed for a degree at the University which are set as a prerequisite for admission to a particular postgraduate study programme or for the admission of such a person as a research student; or
- admit a person who in another manner has reached a standard of competence Senate considers adequate for the purposes of postgraduate study or research at the University as a student for a postgraduate degree or certificate.

Additional requirements

Selection is based on:

- meeting the minimum academic requirements required for admission;
- previous academic performance;
- applicable academic and/or teaching background;
- availability of supervision for the required research project;
- proven academic potential which may include academic communication and computer application skills;
- additionally, an interview may be requested;
- the requirements of professional registration bodies; and
- the discretion of the relevant head of department.

Other programme-specific information

- Renewal of registration after the two-year period is permitted only under special circumstances in which case the head of department may give approval for a limited fixed extension of this period in terms of the set procedures.
- Students will be granted two opportunities to pass NMQ 800. Unsuccessful candidates will not be allowed to continue with the programme.
- This requirement applies to both the full research as well as the coursework master's degrees.

Research information

All master's students must submit a dissertation or a mini-dissertation and must pass Research Proposal (NMQ 800). For the MEd research degree programmes, a dissertation on a topic approved by the Dean on the recommendation of the relevant head of department must be submitted, following the approval of a complete research proposal. A literature study is not acceptable.

- One publishable article based on the research that the student conducted for the dissertation or the mini-dissertation and approved by the supervisor, must be submitted. The article must be submitted at the offices of Student Administration before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies.
- In addition to the copies referred to above, each successful student must submit a bound paper copy as well as two electronic copies of the approved mini-dissertation/dissertation to the Head: Student Administration in the format specified by the Faculty and in accordance with the minimum standards set by the Department of Library Services
- (see http://upetd.up.ac.za/authors/ publish/ standards.htm#specs), before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies.
- All students have to submit a research proposal during the first year of registration and defend it successfully before a panel of examiners appointed by the Dean, in collaboration with the relevant head of department, Supervisor and Research Coordinator, before they can start with the research.
- Students have to apply for ethical clearance to the relevant head of department and Ethics Committee and only commence with field work once the application for ethical clearance has been approved by the Ethics Committee.
- Students have to present a progress report on the research to the supervisor annually. Continued reregistration depends on satisfactory annual progress.
- All students have to attend the research capacity building sessions on quantitative and qualitative research at master's level.

Pass with distinction

The MEd degree is conferred with distinction on a student who obtains at least 75% in the dissertation.

Curriculum: Year 1

Minimum credits: 180

NMQ 801 (Research proposal) and LVB 890 (Dissertation) should be selected in the 1st year. When NMQ 801 (Research proposal) has been passed in the 1st year, only LVB 890 (Dissertation) should be selected again in the final year. Students will be granted two opportunities to pass NMQ 801 (Research proposal).

Fundamental modules

Research proposal 801 (NMQ 801) - Credits: 0.00

Core modules

Dissertation: Learning support 890 (LVB 890) - Credits: 180.00

Curriculum: Final year

Minimum credits: 180

NMQ 801 (Research proposal) and LVB 890 (Dissertation) should be selected in the 1st year. When NMQ 801 (Research proposal) has been passed in the 1st year, only LVB 890 (Dissertation) should be selected again in the final year. Students will be granted two opportunities to pass NMQ 801 (Research proposal).

Fundamental modules

Research proposal 801 (NMQ 801) - Credits: 0.00

Core modules

Dissertation: Learning support 890 (LVB 890) - Credits: 180.00

Doctorate

PhD (09261601)

Minimum duration of study	2 years

Programme information

Students can choose one of the following focus areas:

- Early Childhood Education (09261601)
- Humanities Education (09261602)
- Science, Mathematics and Technology Education (09261603)

Admission requirements

- Subject to the stipulations of the General Regulations, a student who holds an MEd degree or another qualification considered equivalent by the Dean may be admitted to study for the PhD degree in Education.
- A minimum of 60% obtained in the master's dissertation is a prerequisite for admission.

Research information

Students for the PhD degree must:

- submit a research proposal during the first year of registration and defend it successfully before a panel of examiners appointed by the Dean, in collaboration with the relevant head of department, supervisor and research coordinator, before they can start with the research;
- apply for ethical clearance to the relevant head of department and Ethics Committee and only commence with field work once the application for ethical clearance has been approved by the Ethics Committee;
- annually present a progress report on the research to the supervisor. Continued reregistration depends on satisfactory progress annually;
- attend all research capacity building sessions on quantitative and qualitative research at doctoral level;
- submit a thesis for examination on a topic approved by the Dean on the recommendation of the relevant head of department and successfully defend her/his thesis at an oral examination;
- submit proof of submission of an article issued by an accredited journal. The draft proof as well as the proof of submission must be submitted to Student Administration before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies;
- in addition to the abovementioned copies, each successful student must submit a bound paper copy as well as two electronic copies of the approved thesis to the Head: Student Administration in the format specified by the faculty and in accordance with the minimum standards set by the Department of Library Services (specifications are available at: http://upetd.up.ac.za/authors/publish/standards.htm#specs?, before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies.

Guidelines for the format, submission and defending of the research proposal will be communicated by the relevant head of department .

Curriculum: Year 1

Minimum credits: 360

Core modules

Thesis: Early childhood education 990 (ECD 990) - Credits: 360.00

Curriculum: Final year

Minimum credits: 360

Core modules

Thesis: Early childhood education 990 (ECD 990) - Credits: 360.00

PhD (09261602)

Minimum duration of study	2 years

Programme information

Students can choose one of the following focus areas:

- Early Childhood Education (09261601)
- Humanities Education (09261602)
- Science, Mathematics and Technology Education (09261603)

Admission requirements

- Subject to the stipulations of the General Regulations, a student who holds an MEd degree or another qualification considered equivalent by the Dean may be admitted to study for the PhD degree in Education.
- A minimum of 60% obtained in the master's dissertation is a prerequisite for admission.

Research information

Students for the PhD degree must:

- submit a research proposal during the first year of registration and defend it successfully before a panel of examiners appointed by the Dean, in collaboration with the relevant head of department, supervisor and research coordinator, before they can start with the research;
- apply for ethical clearance to the relevant head of department and Ethics Committee and only commence with field work once the application for ethical clearance has been approved by the Ethics Committee;
- annually present a progress report on the research to the supervisor. Continued reregistration depends on satisfactory progress annually;
- attend all research capacity building sessions on quantitative and qualitative research at doctoral level;
- submit a thesis for examination on a topic approved by the Dean on the recommendation of the relevant head of department and successfully defend her/his thesis at an oral examination;
- submit proof of submission of an article issued by an accredited journal. The draft proof as well as the proof of submission must be submitted to Student Administration before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies;
- in addition to the abovementioned copies, each successful student must submit a bound paper copy as well as two electronic copies of the approved thesis to the Head: Student Administration in the format specified by the faculty and in accordance with the minimum standards set by the Department of Library Services

(specifications are available at: http://upetd.up.ac.za/authors/publish/standards.htm#specs?, before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies.

Guidelines for the format, submission and defending of the research proposal will be communicated by the relevant head of department .

Curriculum: Year 1

Minimum credits: 360

Core modules

Thesis: Humanities education 990 (HUE 990) - Credits: 360.00

Curriculum: Final year

Minimum credits: 360

Core modules

Thesis: Humanities education 990 (HUE 990) - Credits: 360.00

PhD (09261603)

Minimum duration of study	2 years

Programme information

Students can choose one of the following focus areas:

- Early Childhood Education (09261601)
- Humanities Education (09261602)
- Science, Mathematics and Technology Education (09261603)

Admission requirements

- Subject to the stipulations of the General Regulations, a student who holds an MEd degree or another qualification considered equivalent by the Dean may be admitted to study for the PhD degree in Education.
- A minimum of 60% obtained in the master’s dissertation is a prerequisite for admission.

Research information

Students for the PhD degree must:

- submit a research proposal during the first year of registration and defend it successfully before a panel of examiners appointed by the Dean, in collaboration with the relevant head of department, supervisor and research coordinator, before they can start with the research;
- apply for ethical clearance to the relevant head of department and Ethics Committee and only commence with field work once the application for ethical clearance has been approved by the Ethics Committee;
- annually present a progress report on the research to the supervisor. Continued reregistration depends on satisfactory progress annually;
- attend all research capacity building sessions on quantitative and qualitative research at doctoral level;
- submit a thesis for examination on a topic approved by the Dean on the recommendation of the relevant head of department and successfully defend her/his thesis at an oral examination;

- submit proof of submission of an article issued by an accredited journal. The draft proof as well as the proof of submission must be submitted to Student Administration before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies;
- in addition to the abovementioned copies, each successful student must submit a bound paper copy as well as two electronic copies of the approved thesis to the Head: Student Administration in the format specified by the faculty and in accordance with the minimum standards set by the Department of Library Services (specifications are available at: http://upetd.up.ac.za/authors/publish/standards.htm#specs?, before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies.

Guidelines for the format, submission and defending of the research proposal will be communicated by the relevant head of department .

Curriculum: Year 1
Minimum credits: 360

Core modules
Thesis: Science, mathematics and technology education 990 (NWT 990) - Credits: 360.00

Curriculum: Final year
Minimum credits: 360

Core modules
Thesis: Science, mathematics and technology education 990 (NWT 990) - Credits: 360.00

PhD Adult and Community Education and Training (09261551)

Minimum duration of study	2 years

Admission requirements

- Subject to the stipulations of the General Regulations a student who holds an MEd degree or another qualification considered equivalent by the Dean may be admitted to study for the PhD degree in Education.
- A minimum of 60% obtained in the master’s dissertation is a prerequisite for admission.

Research information

Students for the PhD degree must:

- submit a research proposal during the first year of registration and defend it successfully before a panel of examiners appointed by the Dean, in collaboration with the relevant head of department, supervisor and research coordinator, before they can start with the research;
- apply for ethical clearance to the relevant head of department and Ethics Committee and only commence with field work once the application for ethical clearance has been approved by the Ethics Committee;
- annually present a progress report on the research to the supervisor. Continued reregistration depends on satisfactory progress annually;
- attend all research capacity building sessions on quantitative and qualitative research at doctoral level;
- submit a thesis for examination on a topic approved by the Dean on the recommendation of the relevant head of department and successfully defend her/his thesis at an oral examination;

- submit proof of submission of an article issued by an accredited journal. The draft proof as well as the proof of submission must be submitted to Student Administration before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies;
- in addition to the abovementioned copies, each successful student must submit a bound paper copy as well as two electronic copies of the approved thesis to the Head: Student Administration in the format specified by the faculty and in accordance with the minimum standards set by the Department of Library Services (specifications are available at: http://upetd.up.ac.za/authors/publish/standards.htm#specs?, before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies.

Guidelines for the format, submission and defending of the research proposal will be communicated by the relevant head of department .

Curriculum: Year 1

Minimum credits: 360

Core modules

Thesis: Adult and community education and training 990 (ACT 990) - Credits: 360.00

Curriculum: Final year

Minimum credits: 360

Core modules

Thesis: Adult and community education and training 990 (ACT 990) - Credits: 360.00

PhD Assessment and Quality Assurance in Education and Training (09261501)

Minimum duration of study	2 years

Admission requirements

- Subject to the stipulations of the General Regulations, a student who holds an MEd degree or another qualification considered equivalent by the Dean may be admitted to study for the PhD degree in Education.
- A minimum of 60% obtained in the master’s dissertation is a prerequisite for admission.

Research information

Students for the PhD degree must:

- submit a research proposal during the first year of registration and defend it successfully before a panel of examiners appointed by the Dean, in collaboration with the relevant head of department, supervisor and research coordinator, before they can start with the research;
- apply for ethical clearance to the relevant head of department and Ethics Committee and only commence with field work once the application for ethical clearance has been approved by the Ethics Committee;
- annually present a progress report on the research to the supervisor. Continued reregistration depends on satisfactory progress annually;
- attend all research capacity building sessions on quantitative and qualitative research at doctoral level;
- submit a thesis for examination on a topic approved by the Dean on the recommendation of the relevant head of department and successfully defend her/his thesis at an oral examination;

- submit proof of submission of an article issued by an accredited journal. The draft proof as well as the proof of submission must be submitted to Student Administration before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies;
- in addition to the abovementioned copies, each successful student must submit a bound paper copy as well as two electronic copies of the approved thesis to the Head: Student Administration in the format specified by the faculty and in accordance with the minimum standards set by the Department of Library Services (specifications are available at: http://upetd.up.ac.za/authors/publish/standards.htm#specs?, before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies.

Guidelines for the format, submission and defending of the research proposal will be communicated by the relevant head of department .

Curriculum: Year 1

Minimum credits: 360

Core modules

Thesis: Assessment and quality assurance 990 (AQA 990) - Credits: 360.00

Curriculum: Final year

Minimum credits: 360

Core modules

Thesis: Assessment and quality assurance 990 (AQA 990) - Credits: 360.00

PhD Computer-integrated Education (09261521)

Minimum duration of study	2 years

Admission requirements

- Subject to the stipulations of General Regulation G.45 a student who holds an MEd degree or another qualification considered equivalent by the Dean may be admitted to study for the PhD degree in Education.
- A minimum of 60% obtained in the master’s dissertation is a prerequisite for admission.

Research information

Students for the PhD degree must:

- submit a research proposal during the first year of registration and defend it successfully before a panel of examiners appointed by the Dean, in collaboration with the relevant head of department, supervisor and research coordinator, before they can start with the research;
- apply for ethical clearance to the relevant head of department and Ethics Committee and only commence with field work once the application for ethical clearance has been approved by the Ethics Committee;
- annually present a progress report on the research to the supervisor. Continued reregistration depends on satisfactory progress annually;
- attend all research capacity building sessions on quantitative and qualitative research at doctoral level;
- submit a thesis for examination on a topic approved by the Dean on the recommendation of the relevant head of department and successfully defend her/his thesis at an oral examination;

- submit proof of submission of an article issued by an accredited journal. The draft proof as well as the proof of submission must be submitted to Student Administration before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies;
- in addition to the abovementioned copies, each successful student must submit a bound paper copy as well as two electronic copies of the approved thesis to the Head: Student Administration in the format specified by the faculty and in accordance with the minimum standards set by the Department of Library Services (specifications are available at: http://upetd.up.ac.za/authors/publish/standards.htm#specs?, before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies.

Guidelines for the format, submission and defending of the research proposal will be communicated by the relevant head of department .

Curriculum: Year 1
Minimum credits: 360

Core modules
Thesis: Computer-integrated education 990 (CIE 990) - Credits: 360.00

Curriculum: Final year
Minimum credits: 360

Core modules
Thesis: Computer-integrated education 990 (CIE 990) - Credits: 360.00

PhD Curriculum and Instructional Design and Development (09261561)

Minimum duration of study	2 years

Admission requirements

- Subject to the stipulations of the General Regulations, a student who holds an MEd degree or another qualification considered equivalent by the Dean may be admitted to study for the PhD degree in Education.
- A minimum of 60% obtained in the master’s dissertation is a prerequisite for admission.

Research information

Students for the PhD degree must:

- submit a research proposal during the first year of registration and defend it successfully before a panel of examiners appointed by the Dean, in collaboration with the relevant head of department, supervisor and research coordinator, before they can start with the research;
- apply for ethical clearance to the relevant head of department and Ethics Committee and only commence with field work once the application for ethical clearance has been approved by the Ethics Committee;
- annually present a progress report on the research to the supervisor. Continued reregistration depends on satisfactory progress annually;
- attend all research capacity building sessions on quantitative and qualitative research at doctoral level;
- submit a thesis for examination on a topic approved by the Dean on the recommendation of the relevant head of department and successfully defend her/his thesis at an oral examination;

- submit proof of submission of an article issued by an accredited journal. The draft proof as well as the proof of submission must be submitted to Student Administration before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies;
- in addition to the abovementioned copies, each successful student must submit a bound paper copy as well as two electronic copies of the approved thesis to the Head: Student Administration in the format specified by the faculty and in accordance with the minimum standards set by the Department of Library Services (specifications are available at: http://upetd.up.ac.za/authors/publish/standards.htm#specs?, before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies.

Guidelines for the format, submission and defending of the research proposal will be communicated by the relevant head of department .

Curriculum: Year 1

Minimum credits: 360

Core modules

Thesis: Curriculum and instructional design and development 990 (CDV 990) - Credits: 360.00

Curriculum: Final year

Minimum credits: 360

Core modules

Thesis: Curriculum and instructional design and development 990 (CDV 990) - Credits: 360.00

PhD Education Management, Law and Policy (09261531)

Minimum duration of study	2 years

Admission requirements

- Subject to the stipulations of the General Regulations, a student who holds an MEd degree or another qualification considered equivalent by the Dean may be admitted to study for the PhD degree in Education.
- A minimum of 60% obtained in the master’s dissertation is a prerequisite for admission.

Research information

Students for the PhD degree must:

- submit a research proposal during the first year of registration and defend it successfully before a panel of examiners appointed by the Dean, in collaboration with the relevant head of department, supervisor and research coordinator, before they can start with the research;
- apply for ethical clearance to the relevant head of department and Ethics Committee and only commence with field work once the application for ethical clearance has been approved by the Ethics Committee;
- annually present a progress report on the research to the supervisor. Continued reregistration depends on satisfactory progress annually;
- attend all research capacity building sessions on quantitative and qualitative research at doctoral level;
- submit a thesis for examination on a topic approved by the Dean on the recommendation of the relevant head of department and successfully defend her/his thesis at an oral examination;

- submit proof of submission of an article issued by an accredited journal. The draft proof as well as the proof of submission must be submitted to Student Administration before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies;
- in addition to the abovementioned copies, each successful student must submit a bound paper copy as well as two electronic copies of the approved thesis to the Head: Student Administration in the format specified by the faculty and in accordance with the minimum standards set by the Department of Library Services (specifications are available at: http://upetd.up.ac.za/authors/publish/standards.htm#specs?, before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies.

Guidelines for the format, submission and defending of the research proposal will be communicated by the relevant head of department .

Curriculum: Year 1

Minimum credits: 360

Core modules

Thesis: Education management 990 (OWB 990) - Credits: 360.00

Curriculum: Final year

Minimum credits: 360

Core modules

Thesis: Education management 990 (OWB 990) - Credits: 360.00

PhD Education Policy Studies (09261571)

Minimum duration of study	2 years

Admission requirements

- Subject to the stipulations of the General Regulations, a student who holds an MEd degree or another qualification considered equivalent by the Dean may be admitted to study for the PhD degree in Education.
- A minimum of 60% obtained in the master’s dissertation is a prerequisite for admission.

Research information

Students for the PhD degree must:

- submit a research proposal during the first year of registration and defend it successfully before a panel of examiners appointed by the Dean, in collaboration with the relevant head of department, supervisor and research coordinator, before they can start with the research;
- apply for ethical clearance to the relevant head of department and Ethics Committee and only commence with field work once the application for ethical clearance has been approved by the Ethics Committee;
- annually present a progress report on the research to the supervisor. Continued reregistration depends on satisfactory progress annually;
- attend all research capacity building sessions on quantitative and qualitative research at doctoral level;
- submit a thesis for examination on a topic approved by the Dean on the recommendation of the relevant head of department and successfully defend her/his thesis at an oral examination;

- submit proof of submission of an article issued by an accredited journal. The draft proof as well as the proof of submission must be submitted to Student Administration before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies;
- in addition to the abovementioned copies, each successful student must submit a bound paper copy as well as two electronic copies of the approved thesis to the Head: Student Administration in the format specified by the faculty and in accordance with the minimum standards set by the Department of Library Services (specifications are available at: http://upetd.up.ac.za/authors/publish/standards.htm#specs?, before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies.

Guidelines for the format, submission and defending of the research proposal will be communicated by the relevant head of department .

Curriculum: Year 1
Minimum credits: 360

Core modules
Thesis: Education policy studies 995 (OWB 995) - Credits: 360.00

Curriculum: Final year
Minimum credits: 360

Core modules
Thesis: Education policy studies 995 (OWB 995) - Credits: 360.00

PhD Educational Psychology (09261362)

Minimum duration of study	2 years

Programme information

Students can choose one of the following focus areas:

- Career Orientation Pedagogics
- Orthodidactics
- Orthopedadogics

Admission requirements

- Subject to the stipulations of the General Regulations, a student who holds an MEd degree or another qualification considered equivalent by the Dean may be admitted to study for the PhD degree in Education.
- A minimum of 60% obtained in the master’s dissertation is a prerequisite for admission.

Research information

Students for the PhD degree must:

- submit a research proposal during the first year of registration and defend it successfully before a panel of examiners appointed by the Dean, in collaboration with the relevant head of department, supervisor and research coordinator, before they can start with the research;

- apply for ethical clearance to the relevant head of department and Ethics Committee and only commence with field work once the application for ethical clearance has been approved by the Ethics Committee;
- annually present a progress report on the research to the supervisor. Continued reregistration depends on satisfactory progress annually;
- attend all research capacity building sessions on quantitative and qualitative research at doctoral level;
- submit a thesis for examination on a topic approved by the Dean on the recommendation of the relevant head of department and successfully defend her/his thesis at an oral examination;
- submit proof of submission of an article issued by an accredited journal. The draft proof as well as the proof of submission must be submitted to Student Administration before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies;
- in addition to the abovementioned copies, each successful student must submit a bound paper copy as well as two electronic copies of the approved thesis to the Head: Student Administration in the format specified by the faculty and in accordance with the minimum standards set by the Department of Library Services (specifications are available at: http://upetd.up.ac.za/authors/publish/standards.htm#specs?, before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies.

Guidelines for the format, submission and defending of the research proposal will be communicated by the relevant head of department .

Curriculum: Year 1

Minimum credits: 360

Core modules

Thesis: Vocational orientation (Psychology) 991 (BOP 991) - Credits: 360.00
Thesis: Orthodidactics (Psychiatry) 992 (ODK 992) - Credits: 360.00
Thesis: Orthopedagogics (Psychiatry) 991 (OPG 991) - Credits: 360.00

Curriculum: Final year

Minimum credits: 360

Core modules

Thesis: Vocational orientation (Psychology) 991 (BOP 991) - Credits: 360.00
Thesis: Orthodidactics (Psychiatry) 992 (ODK 992) - Credits: 360.00
Thesis: Orthopedagogics (Psychiatry) 991 (OPG 991) - Credits: 360.00

PhD Learning Support, Guidance and Counselling (09261541)

Minimum duration of study	2 years

Admission requirements

- Subject to the stipulations of General Regulation G.45 a student who holds an MEd degree or another qualification considered equivalent by the Dean may be admitted to study for the PhD degree in Education.
- A minimum of 60% obtained in the master’s dissertation is a prerequisite for admission.

Research information

Students for the PhD degree must:

- submit a research proposal during the first year of registration and defend it successfully before a panel of examiners appointed by the Dean, in collaboration with the relevant head of department, supervisor and research coordinator, before they can start with the research;
- apply for ethical clearance to the relevant head of department and Ethics Committee and only commence with field work once the application for ethical clearance has been approved by the Ethics Committee;
- annually present a progress report on the research to the supervisor. Continued reregistration depends on satisfactory progress annually;
- attend all research capacity building sessions on quantitative and qualitative research at doctoral level;
- submit a thesis for examination on a topic approved by the Dean on the recommendation of the relevant head of department and successfully defend her/his thesis at an oral examination;
- submit proof of submission of an article issued by an accredited journal. The draft proof as well as the proof of submission must be submitted to Student Administration before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies;
- in addition to the abovementioned copies, each successful student must submit a bound paper copy as well as two electronic copies of the approved thesis to the Head: Student Administration in the format specified by the faculty and in accordance with the minimum standards set by the Department of Library Services (specifications are available at: http://upetd.up.ac.za/authors/publish/standards.htm#specs?, before 15 February for the Autumn graduation ceremonies and before 15 July for the Spring graduation ceremonies. Failure to meet these deadlines will result in the degree being awarded during a subsequent series of graduation ceremonies.

Guidelines for the format, submission and defending of the research proposal will be communicated by the relevant head of department .

Curriculum: Year 1

Minimum credits: 360

Core modules

Thesis: Learner support, guidance and counselling 990 (LVB 990) - Credits: 360.00

Curriculum: Final year

Minimum credits: 360

Core modules

Thesis: Learner support, guidance and counselling 990 (LVB 990) - Credits: 360.00

Modules

Dissertation: Adult and community education and training 890 (ACT 890)

Qualification	Postgraduate
Module credits	180.00
Programmes	MEd Adult and Community Education and Training MEd Adult and Community Education and Training
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Year

Adult and community education and training 900 (ACT 900)

Qualification	Postgraduate
Module credits	0.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Year

Thesis: Adult and community education and training 990 (ACT 990)

Qualification	Postgraduate
Module credits	360.00
Programmes	PhD Adult and Community Education and Training PhD Adult and Community Education and Training
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Assessment in the early years 210 (AEY 210)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English

Department	Early Childhood Education
Period of presentation	Semester 1

Module content

This module focuses on formal and informal observation and assessment strategies in early childhood and the implications of the findings thereof to early childhood learning and development. It addresses the link between pedagogy and assessment; testing in the early years; systematic observation and assessment methods for collection and documentation of data; assessment planning techniques and procedures; assessment of the effect of the curriculum, environment and interactions on young children's learning and development; effective assessment principles and practices for early childhood; child observation and identification of young children at risk; embedding assessment activates within the play-based curriculum and environments; listening to, working with and sharing assessment with families; and working with ECCE support services to support children in response of the assessment findings.

Afrikaans 110 (AFR 110)

Qualification	Undergraduate
Module credits	12.00
Programmes	BCom Law BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Economic and Management Sciences Faculty of Law Faculty of Health Sciences
Prerequisites	No prerequisites.
Contact time	2 lectures per week, 2 discussion classes per week
Language of tuition	Module is presented in Afrikaans
Department	Afrikaans
Period of presentation	Semester 1

Module content

Taalkundekomponent: Inleiding tot die Afrikaanse taalkunde met klem op lees-en skryfvaardigheid.
Letterkundekomponent: Inleiding tot die Afrikaanse en Nederlandse letterkunde aan die hand van kortverhale en gedigte.

Afrikaans 120 (AFR 120)

Qualification	Undergraduate
Module credits	12.00
Programmes	BCom Law BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching

Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Economic and Management Sciences Faculty of Law Faculty of Health Sciences
Prerequisites	No prerequisites.
Contact time	2 lectures per week, 2 discussion classes per week
Language of tuition	Module is presented in Afrikaans
Department	Afrikaans
Period of presentation	Semester 2

Module content

Taalkundekomponent: Inleiding tot die Afrikaanse sintaksis, fonetiek en taalgeskiedenis.
Letterkundekomponent:Inleiding tot die Romankuns Inleiding tot die Drama

Afrikaans 214 (AFR 214)

Qualification	Undergraduate
Module credits	20.00
Programmes	BA Law BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	AFR 110 and AFR 120
Contact time	2 lectures per week, 2 discussion classes per week
Language of tuition	Module is presented in Afrikaans
Department	Afrikaans
Period of presentation	Semester 1

Module content

Taalkundekomponent: Morfologie, sintaksis, leksikologie en semantiek. *Letterkundekomponent*: Afrikaanse poësie

Afrikaans 220 (AFR 220)

Qualification	Undergraduate
Module credits	20.00
Programmes	BPolSci Political Studies BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education

Prerequisites	AFR 110 and AFR 120
Contact time	2 lectures per week, 2 discussion classes per week
Language of tuition	Module is presented in Afrikaans
Department	Afrikaans
Period of presentation	Semester 2

Module content

Afrikaanse prosa
Literatuurteorie en -kritiek

Afrikaans 311 (AFR 311)

Qualification	Undergraduate
Module credits	30.00
Programmes	BPolSci Political Studies BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	AFR 214 and AFR 220
Contact time	2 lectures per week, 2 discussion classes per week
Language of tuition	Module is presented in Afrikaans
Department	Afrikaans
Period of presentation	Semester 1

Module content

Taalkundekomponent
Capita selecta uit die Afrikaanse taalkunde
Letterkundekomponent
Afrikaanse prosa

Afrikaans 321 (AFR 321)

Qualification	Undergraduate
Module credits	30.00
Programmes	BPolSci Political Studies BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	AFR 214 and AFR 220
Contact time	2 lectures per week, 2 discussion classes per week
Language of tuition	Module is presented in Afrikaans

Department	Afrikaans
Period of presentation	Semester 2

Module content

Afrikaanse poësie
'n Keuse uit eietydse Nederlandstalige literatuur; analitiese teksondersoeke met aandag aan agtergrond- en resepsieaangeleenthede.
Die Afrikaanse drama word binne die breër konteks van die Afrikaanse letterkunde geplaas.

African languages literature: Capita selecta 121 (AFT 121)

Qualification	Undergraduate
Module credits	12.00
Programmes	BA Extended programme BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	NDE 110/SEP 111/ZUL 111/STW 111
Contact time	2 lectures per week
Language of tuition	Module presented in English and African Language
Department	African Languages
Period of presentation	Semester 2

Module content

Aspects of the literature of isiNdebele/isiZulu/Sepedi/Setswana such as an introduction to literary concepts such as literary text(s), topic, characters, events, time and place; the analysis of selected short stories.

African languages literature: Capita selecta 220 (AFT 220)

Qualification	Undergraduate
Module credits	20.00
Programmes	BPolSci Political Studies BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	NDE 210/SEP 211/ZUL 211/STW 211
Contact time	2 lectures per week
Language of tuition	Module presented in English and African Language

Department	African Languages
Period of presentation	Semester 2

Module content

Aspects of the literature of isiNdebele/isiZulu/Sepedi/Setswana such as the continuation of the study of concepts such as text, topic, characters, events, time and place; the study of plot and style; the critical analysis of a novel/novelette.

African languages literature: Capita selecta 320 (AFT 320)

Qualification	Undergraduate
Module credits	30.00
Programmes	BA Law BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	NDE 310/SEP 310/ZUL 310/STW 310
Contact time	1 discussion class per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	African Languages
Period of presentation	Semester 2

Module content

Aspects of the literature of isiNdebele/isiZulu/Sepedi/Setswana such as the critical analysis of a dramatic work and poetry (selected poems).

Academic information management 101 (AIM 101)

Qualification	Undergraduate
Module credits	6.00
Programmes	BTh BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Economic and Management Sciences Faculty of Humanities Faculty of Law Faculty of Health Sciences Faculty of Natural and Agricultural Sciences Faculty of Theology and Religion Faculty of Veterinary Science
Prerequisites	No prerequisites.

Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Information Science
Period of presentation	Semester 1

Module content

Find, evaluate, process, manage and present information resources for academic purposes using appropriate technology. Apply effective search strategies in different technological environments. Demonstrate the ethical and fair use of information resources. Integrate 21st-century communications into the management of academic information.

Academic information management 102 (AIM 102)

Qualification	Undergraduate
Module credits	6.00
Programmes	BVSc
Service modules	Faculty of Education Faculty of Economic and Management Sciences Faculty of Humanities Faculty of Law Faculty of Health Sciences Faculty of Natural and Agricultural Sciences Faculty of Theology and Religion Faculty of Veterinary Science
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Information Science
Period of presentation	Semester 2

Module content

Find, evaluate, process, manage and present information resources for academic purposes using appropriate technology. Apply effective search strategies in different technological environments. Demonstrate the ethical and fair use of information resources. Integrate 21st-century communications into the management of academic information.

Academic information management 111 (AIM 111)

Qualification	Undergraduate
Module credits	4.00
Programmes	Diploma in Theology BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching

Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Economic and Management Sciences Faculty of Humanities Faculty of Law Faculty of Health Sciences Faculty of Natural and Agricultural Sciences Faculty of Theology and Religion
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Information Science
Period of presentation	Semester 1

Module content

Find, evaluate, process, manage and present information resources for academic purposes using appropriate technology.

Academic information management 121 (AIM 121)

Qualification	Undergraduate
Module credits	4.00
Programmes	Diploma in Theology BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Economic and Management Sciences Faculty of Humanities Faculty of Law Faculty of Health Sciences Faculty of Natural and Agricultural Sciences Faculty of Theology and Religion Faculty of Veterinary Science
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Informatics
Period of presentation	Semester 2

Module content

Apply effective search strategies in different technological environments. Demonstrate the ethical and fair use of information resources. Integrate 21st-century communications into the management of academic information.

Assessment approaches and instruments 711 (API 711)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Computer-integrated Education BEdHons Assessment and Quality Assurance in Education and Training BEdHons Computer-integrated Education BEdHons Life Sciences Education BEdHons Mathematics Education BEdHons Physical Sciences Education BEdHons Teacher Education and Professional Development BEdHons Technology Education
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Foundations, principles and ethics of assessment practices. International trends. Quantitative and qualitative modes of assessment and appropriate instruments. Generating evidence for assessment. Assessment and quality assurance. Techniques of computer-based assessment.

Assessment approaches and instruments 733 (API 733)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Teacher Education and Professional Development (Distance Education) BEdHons Teacher Education and Professional Development (Distance Education)
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Foundations, principles and ethics of assessment practices. International trends. Quantitative and qualitative modes of assessment and appropriate instruments. Generating evidence for assessment. Assessment and quality assurance. Techniques of computer-based assessment.

Part 2: Research report 780 (AQA 780)

Qualification	Postgraduate
Module credits	16.00

Programmes	BEdHons Assessment and Quality Assurance in Education and Training BEdHons BEdHons Assessment and Quality Assurance in Education and Training
Prerequisites	NMQ 755
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Supervised research project of limited scope. Use qualitative and/or quantitative methods. Writing a short report.

Dissertation: Assessment and quality assurance 890 (AQA 890)

Qualification	Postgraduate
Module credits	180.00
Programmes	MEd Assessment and Quality Assurance in Education and Training MEd Assessment and Quality Assurance in Education and Training
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Year

Assessment and quality assurance 900 (AQA 900)

Qualification	Postgraduate
Module credits	0.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Year

Thesis: Assessment and quality assurance 990 (AQA 990)

Qualification	Postgraduate
Module credits	360.00
Programmes	PhD Assessment and Quality Assurance in Education and Training PhD Assessment and Quality Assurance in Education and Training
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education

Period of presentation	Year

Assessment practice 410 (ASK 410)

Qualification	Postgraduate
Module credits	10.00
Programmes	PGCHE PGCHE
Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 1 or Semester 2

Module content

Methods of assessment in a formative and summative fashion. Basic principles of accountable assessment. Record of learning. Assessment instruments.

Carbohydrate metabolism 252 (BCM 252)

Qualification	Undergraduate
Module credits	12.00
Programmes	BDietetics
Service modules	Faculty of Education Faculty of Health Sciences
Prerequisites	CMY 117 GS and CMY 127 GS and MLB 111 GS
Contact time	1 tutorial per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Biochemistry, Genetics and Microbiology
Period of presentation	Semester 1

Module content

Carbohydrate structure and function. Blood glucose measurement in the diagnosis and treatment of diabetes. Bioenergetics and biochemical reaction types. Glycolysis, gluconeogenesis, glycogen metabolism, pentose phosphate pathway, citric acid cycle and electron transport. Total ATP yield from the complete oxidation of glucose. A comparison of cellular respiration and photosynthesis. Practical techniques for the study and analysis of metabolic pathways and enzymes. PO ratio of mitochondria, electrophoresis, extraction, solubility and gel permeation techniques. Scientific method and design.

Career counselling 805 (BOP 805)

Qualification	Postgraduate
Module credits	10.00

Programmes	MEd Educational Psychology (Coursework) MEd Educational Psychology (Coursework)
Prerequisites	No prerequisites.
Contact time	1 lecture every fortnight
Language of tuition	Module is presented in English
Department	Educational Psychology
Period of presentation	Year

Module content

Theory and application counselling; of career counselling; addressing contemporary Global South inequality issues by privileging social justice and diversity agenda in the practice of guidance and counselling, Interviewing, implementation and interpretation of media, diagnosing, counselling to develop strengths, identify and leverage resources and assets (individual, collective and contextual) for life design; career resilience, adaptability and employability.

Vocational orientation pedagogics (Psychology) 901 (BOP 901)

Qualification	Postgraduate
Module credits	0.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Educational Psychology
Period of presentation	Year

Thesis: Vocational orientation (Psychology) 991 (BOP 991)

Qualification	Postgraduate
Module credits	360.00
Programmes	PhD Educational Psychology PhD Educational Psychology
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Educational Psychology
Period of presentation	Year

Plant biology 161 (BOT 161)

Qualification	Undergraduate
Module credits	8.00
Programmes	BSc Physics BEd Senior Phase and Further Education and Training Teaching

Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	MLB 111 GS
Contact time	2 lectures per week, fortnightly practicals
Language of tuition	Module is presented in English
Department	Department of Plant and Soil Sciences
Period of presentation	Semester 2

Module content

Basic plant structure and function; introductory plant taxonomy and plant systematics; principles of plant molecular biology and biotechnology; adaptation of plants to stress; medicinal compounds from plants; basic principles of plant ecology and their application in natural resource management.

South African flora and vegetation 251 (BOT 251)

Qualification	Undergraduate
Module credits	12.00
Programmes	BSc Human Physiology BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education
Prerequisites	BOT 161 or permission from head of department
Contact time	1 practical per week, 2 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Department of Plant and Soil Sciences
Period of presentation	Semester 1

Module content

Origin and affinity of South African flora and vegetation types; principles of plant geography; plant diversity in southern Africa; characteristics, environments and vegetation of South African biomes and associated key ecological processes; centra of plant endemism; rare and threatened plant species; biodiversity conservation and ecosystem management; invasion biology; conservation status of South African vegetation types.

Plant physiology and biotechnology 261 (BOT 261)

Qualification	Undergraduate
Module credits	12.00
Programmes	BSc Human Physiology BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education
Prerequisites	BOT 161, CMY 117, CMY 127 or permission from head of department
Contact time	2 lectures per week, 1 practical per week

Language of tuition	Separate classes for Afrikaans and English
Department	Department of Plant and Soil Sciences
Period of presentation	Semester 2

Module content

Nitrogen metabolism in plants; nitrogen fixation in Agriculture; plant secondary metabolism and natural products; photosynthesis and carbohydrate metabolism in plants; applications in solar energy; plant growth regulation and the Green Revolution; plant responses to the environment; developing drought tolerant and disease resistant plants.

Plant ecophysiology 356 (BOT 356)

Qualification	Undergraduate
Module credits	18.00
Programmes	BSc Microbiology
Service modules	Faculty of Education
Prerequisites	BOT 161 or permission from head of department
Contact time	2 lectures per week, 1 practical per week
Language of tuition	Separate classes for Afrikaans and English
Department	Department of Plant and Soil Sciences
Period of presentation	Semester 1

Module content

The emphasis is on the efficiency of the mechanisms whereby C3-, C4 and CAM-plants bind CO2 and how it impacted upon by environmental factors. The mechanisms and factors which determine the respiratory conversion of carbon skeletons and how production is affected thereby will be discussed. Insight into the ecological distribution and manipulation of plants for increased production is gained by discussing the internal mechanisms whereby carbon allocation, hormone production, growth, flowering and fruitset are influenced by external factors. To understand the functioning of plants in diverse environments, the relevant structural properties of plants, and the impact of soil composition, water flow in the soil-plant air continuum and long distance transport of assimilates will be discussed. Various important techniques will be used in the practicals to investigate aspects such as water-use efficiency, photosynthesis and respiration of plants.

Phytomedicine 365 (BOT 365)

Qualification	Undergraduate
Module credits	18.00
Programmes	BSc Human Genetics
Service modules	Faculty of Education
Prerequisites	BOT 161 or permission from head of department
Contact time	1 practical per week, 2 lectures per week
Language of tuition	Module is presented in English

Department	Department of Plant and Soil Sciences
Period of presentation	Semester 2

Module content

The module will include a review on the discovery and use of plant medicines and phyto-therapeutically important molecules obtained from plants. Certain aspects of natural product chemistry i.e. the biosynthesis, ecological role and toxicity of the three main classes of secondary compounds; terpenoids, phenolics, and alkaloids are discussed. An introduction to the principles and applications of metabolomics is presented. The role of these natural products in defense against microorganisms and herbivores is reviewed during the module. The importance of ethnobotany and phylogenetics in modern drug discovery from biodiversity will presented along with legal and ethical considerations surrounding bioprospecting. This will follow on with modern theories and practices regarding sustainable utilisation and conservation of medicinal plants. The basics of alternative medicines, with an emphasis on traditional African and Chinese medicines, are also discussed as well as current evidence-based research and product development derived from these. Biotechnological approaches to medicinal natural product production, ‘farmer to pharma’, will be covered, including plant cell culture and bioreactors. Practical sessions on drug discovery approaches using chromatographic techniques for phytochemical analysis of secondary metabolites such as tannins, alkaloids, and saponins are conducted. Bioassays on micro-organisms are also done during the practical sessions in order to develop the skills for the potential discovery of new antibiotics.

Plant diversity 366 (BOT 366)

Qualification	Undergraduate
Module credits	18.00
Programmes	BSc Biotechnology
Service modules	Faculty of Education
Prerequisites	BOT 161 or permission from head of department
Contact time	1 practical per week, 2 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Department of Plant and Soil Sciences
Period of presentation	Semester 2

Module content

Basic principles and methods of plant classification. Sources of plant variation. Modern methods to ascertain evolutionary relationships among plants. The extent and significance of vascular plant diversity. General structural and biological characteristics of evolutionary and ecologically important plant groups. Botanical nomenclature. Plant identification in practice; identification methods, keys, herbaria and botanical gardens. Diagnostic characters for the field identification of trees, wild flowers and grasses. Family recognition of southern African plants. Available literature for plant identification. Methods to conduct floristic surveys. Nature and significance of voucher specimens.

South African Sign language 100 (CCG 100)

Qualification	Undergraduate

Module credits	0.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

Students who provide sufficient evidence of passing an accredited course in South African Sign Language will be allowed to demonstrate their conversational competence in SASL to an accredited assessor. If the student demonstrates sufficient competence, as assessed by the Faculty of Education, the competence in SASL will be indicated as such on the PGCE qualification.

Conversational Competence: Sepedi 100 (CCI 100)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English and Sepedi
Department	African Languages
Period of presentation	Semester 1

Module content

To endow prospective teachers, who has no knowledge of an African language, with a basic conversational competence in Northern Sotho (Sepedi). Successful completion of this module will enable teachers to effectively communicate – verbally and non-verbally - in a multilingual classroom.

Conversational Competence: Setswana 100 (CCW 100)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English and Setswana

Department	African Languages
Period of presentation	Semester 1

Module content

To endow prospective teachers, who have no knowledge of an African language, with a basic conversational competence in Setswana. Successful completion of this module will enable teachers to effectively communicate – verbally and non-verbally - in a multilingual classroom.

Conversational Competence: IsiZulu 100 (CCZ 100)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English and isiZulu
Department	African Languages
Period of presentation	Semester 1

Module content

To endow prospective teachers, who have no knowledge of an African language, with a basic conversational competence in IsiZulu. Successful completion of this module will enable teachers to effectively communicate – verbally and non-verbally - in a multilingual classroom.

Curriculum development 710 (CDD 710)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Educational Psychology BEdHons BEdHons Assessment and Quality Assurance in Education and Training BEdHons Computer-integrated Education BEdHons Education Management, Law and Policy BEdHons Educational Psychology BEdHons Learning Support BEdHons Life Sciences Education BEdHons Mathematics Education BEdHons Physical Sciences Education BEdHons Teacher Education and Professional Development BEdHons Technology Education
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English

Department	Science Mathematics and Technology Education
Period of presentation	Semester 1 or Semester 2

Module content

Principles and foundations of curriculum/programme design and development. International and national models and trends in curriculum/programme development. Principles of outcomes-based programming in the SAQA context. Curriculum development models and instruments in action. Situation and task analysis needs assessment. Development. Dissemination. Implementation as a change process. Assessment and evaluation.

Curriculum development 733 (CDD 733)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Teacher Education and Professional Development (Distance Education) BEdHons Teacher Education and Professional Development (Distance Education)
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

Principles and foundations of curriculum/programme design and development. International and national models and trends in curriculum/programme development. Principles of outcomes-based programming in the SAQA context. Curriculum development models and instruments in action. Situation and task analysis needs assessment. Development. Dissemination. Implementation as a change process. Assessment and evaluation.

Research report 733 (CDV 733)

Qualification	Postgraduate
Module credits	16.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Education Deans Office
Period of presentation	Year

Module content

Supervised research project of limited scope. Use of qualitative and/or quantitative methods. Writing a short report.

Part 2: Research report 780 (CDV 780)

Qualification	Postgraduate
Module credits	16.00

Programmes	BEdHons Teacher Education and Professional Development BEdHons BEdHons Teacher Education and Professional Development
Prerequisites	NMQ 755
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 2

Module content

Supervised research project of limited scope. Use qualitative and/or quantitative methods. Writing a short report.

Research report 781 (CDV 781)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Teacher Education and Professional Development (Distance Education) BEdHons Teacher Education and Professional Development (Distance Education)
Prerequisites	NMQ 735
Language of tuition	Module is presented in English
Department	Curriculum Studies
Period of presentation	Semester 1

Module content

Write a short report. Small-scale action research in the school or work place. Research proposal development. Use qualitative and/or quantitative methods.

Dissertation: Curriculum and instructional design and development 890 (CDV 890)

Qualification	Postgraduate
Module credits	180.00
Programmes	MEd Curriculum and Instructional Design and Development MEd Curriculum and Instructional Design and Development
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Curriculum and instructional design and development 900 (CDV 900)

Qualification	Postgraduate
Module credits	0.00

Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Thesis: Curriculum and instructional design and development 990 (CDV 990)

Qualification	Postgraduate
Module credits	360.00
Programmes	PhD Curriculum and Instructional Design and Development PhD Curriculum and Instructional Design and Development
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Constructions of early childhood 320 (CEC 320)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 2

Module content

This module focuses on the constructions of early childhood belonging, being and becoming of young children, according to the developmental stages/ages, in relation to the family, community, culture and environments young children get to experience, . Building onto the Education (OPV) 122 (child development and learning), this module deals with the theoretical perspectives on young children’s social identity and implications thereof to early childhood care and learning environments and practice; relationship between the children’s everyday life experiences/interactions and development of interests and construction of identities; factors influencing belonging, being and becoming from African perspectives; and the effect of personal experiences and social identity on teaching and learning.

Electronic learning 420 (CEL 420)

Qualification	Postgraduate
Module credits	10.00
Programmes	PGCHE PGCHE

Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Electronic learning media. Integrating electronic media in practice. Web-based learning. Multimedia learning packages. Interactive television broadcasting.

Curriculum and pedagogy in the early years 200 (CEY 200)

Qualification	Undergraduate
Module credits	24.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Year

Module content

This module deals with curriculum, pedagogy and learning environments for early childhood care and development. Linked on the Education (OPV) 222, 312 and 322 modules (Supportive learning environments, Curriculum in the classroom and Classroom, safety, discipline and management), the module explores theories, philosophies and practices of early childhood curricula, pedagogy and learning environments. It addresses the play-based curriculum; different teaching and learning methods; learning settings, resources and materials; planning of group times and children's activities; and planning and organisation of routines, daily schedules, transitions and movements. It examines also the South African National Curriculum Framework and the six Early Learning and Development Areas; transformative pedagogy relevant to diverse African contexts; making of age-appropriate tools and toys from locally available materials; and adapting material and activities to accommodate children with disabilities.

Part 2: Research report 780 (CIE 780)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Computer-integrated Education BEdHons BEdHons Computer-integrated Education
Prerequisites	NMQ 755
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Supervised research project of limited scope. Use of qualitative and/or qualitative and or quantitative methods. Writing a short report.

Dissertation: Computer Integrated Education 890 (CIE 890)

Qualification	Postgraduate
Module credits	180.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Curriculum Studies
Period of presentation	Year

Module content

A dissertation conducted under supervision of a supervisor in the area of computer integrated education.

Computer-integrated education 900 (CIE 900)

Qualification	Postgraduate
Module credits	0.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Year

Thesis: Computer-integrated education 990 (CIE 990)

Qualification	Postgraduate
Module credits	360.00
Programmes	PhD Computer-integrated Education PhD Computer-integrated Education
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Year

Computers as cognitive tools 720 (CIT 720)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Computer-integrated Education BEdHons Computer-integrated Education

Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Quarter 3

Module content

The purpose of this module is to enable the candidate to master computer-integrated techniques pertaining to cognitive tools.

General chemistry 117 (CMY 117)

Qualification	Undergraduate
Module credits	16.00
Programmes	BDietetics BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Health Sciences Faculty of Veterinary Science
Prerequisites	A candidate must have Mathematics for at least 60% and 60% for Physical Sciences.
Contact time	1 practical per week, 4 lectures per week
Language of tuition	Module is presented in English
Department	Chemistry
Period of presentation	Semester 1

Module content

General introduction to inorganic, analytical and physical chemistry. Atomic structure and periodicity. Molecular structure and chemical bonding using the VSEOR model. Nomenclature of inorganic ions and compounds. Classification of reactions: precipitation, acid-base, redox reactions and gas-forming reactions. Mole concept and stoichiometric calculations concerning chemical formulas and chemical reactions. Principles of reactivity: energy and chemical reactions. Physical behaviour gases, liquids, solids and solutions and the role of intermolecular forces. Rate of reactions: Introduction to chemical kinetics.

General chemistry 127 (CMY 127)

Qualification	Undergraduate
Module credits	16.00
Programmes	BDietetics BEd Senior Phase and Further Education and Training Teaching

Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Health Sciences Faculty of Veterinary Science
Prerequisites	Natural and Agricultural Sciences students: CMY 117 GS or CMY 154 GS Health Sciences students: none
Contact time	4 lectures per week, 1 practical per week
Language of tuition	Module is presented in English
Department	Chemistry
Period of presentation	Semester 2

Module content

Theory: General physical-analytical chemistry: Chemical equilibrium, acids and bases, buffers, solubility equilibrium, entropy and free energy, electrochemistry. Organic chemistry: Structure (bonding), nomenclature, isomerism, introductory stereochemistry, introduction to chemical reactions and chemical properties of organic compounds and biological compounds, i.e. carbohydrates and aminoacids. Practical: Molecular structure (model building), synthesis and properties of simple organic compounds.

Chemistry 133 (CMY 133)

Qualification	Undergraduate
Module credits	8.00
Programmes	BSc Extended programme - Mathematical Sciences
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	As for BSc Extended programme
Contact time	Foundation Course, Fortnightly practicals, 3 discussion classes per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Chemistry
Period of presentation	Semester 1

Module content

The field of Chemistry – an overview; Mathematics in Chemistry; atomic theory: historical overview; atoms, molecules and ions; relative atomic mass; electronic structure of atoms; the periodic table; periodicity; chemical bonding.

Chemistry 143 (CMY 143)

Qualification	Undergraduate
Module credits	8.00
Programmes	BSc Extended programme - Mathematical Sciences

Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	CMY 133
Contact time	Foundation Course, Fortnightly practicals, 3 discussion classes per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Chemistry
Period of presentation	Semester 1

Module content

Bonding and molecular geometry: VSEPR theory; bonding and organic compounds (structural formulas, classification and nomenclature); matter and its properties; mole concept; reaction stoichiometry; reactions in aqueous solutions: precipitation, acid base and redox.

Chemistry 154 (CMY 154)

Qualification	Undergraduate
Module credits	8.00
Programmes	BSc Extended programme - Mathematical Sciences
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	CMY 133 and CMY 143
Contact time	fortnightly practicals, 2 tutorials per week, 3 lectures per week, Foundation Course
Language of tuition	Module is presented in English
Department	Chemistry
Period of presentation	Semester 1

Module content

Principles of reactivity: energy and chemical reactions. Physical behaviour of gasses, liquids, solids and solutions and the role of intermolecular forces. Rate of reactions: Introduction to Chemical kinetics. Introduction to chemical equilibrium. Introduction to organic chemistry: hybridisation, isomers (structural, geometrical and conformational), additions reactions and reaction mechanisms.

Physical chemistry 282 (CMY 282)

Qualification	Undergraduate
Module credits	12.00
Programmes	BSc Human Physiology BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education
Prerequisites	CMY 117 and CMY 127

Contact time	4 lectures per week, 2 practicals per week, 1 tutorial per week
Language of tuition	Module is presented in English
Department	Chemistry
Period of presentation	Quarter 2

Module content

Theory: Classical chemical thermodynamics, gases, first and second law and applications, physical changes of pure materials and simple compounds. Phase rule: Chemical reactions, chemical kinetics, rates of reactions.

Analytical chemistry 283 (CMY 283)

Qualification	Undergraduate
Module credits	12.00
Programmes	BSc Human Physiology BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education
Prerequisites	CMY 117 and CMY 127
Contact time	2 practicals per week, 4 lectures per week, 1 tutorial per week
Language of tuition	Module is presented in English
Department	Chemistry
Period of presentation	Quarter 3

Module content

Theory: Statistical evaluation of data, gravimetric analysis, aqueous solution chemistry, chemical equilibrium, precipitation-, neutralisation- and complex formation titrations, redox titrations, potentiometric methods, introduction to electrochemistry.

Organic chemistry 284 (CMY 284)

Qualification	Undergraduate
Module credits	12.00
Programmes	BSc Human Physiology BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education
Prerequisites	CMY 117 and CMY 127
Contact time	2 practicals per week, 4 lectures per week, 1 tutorial per week
Language of tuition	Module is presented in English
Department	Chemistry
Period of presentation	Quarter 1

Module content

Theory: Resonance, conjugation and aromaticity. Acidity and basicity. Introduction to ^{13}C NMR spectroscopy. Electrophilic addition: alkenes. Nucleophilic substitution, elimination, addition: alkyl halides, alcohols, ethers, epoxides, carbonyl compounds: ketones, aldehydes, carboxylic acids and their derivatives.

Inorganic chemistry 285 (CMY 285)

Qualification	Undergraduate
Module credits	12.00
Programmes	BSc Human Physiology BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education
Prerequisites	CMY 117 and CMY 127
Contact time	4 lectures per week, 1 tutorial per week, 2 practicals per week
Language of tuition	Module is presented in English
Department	Chemistry
Period of presentation	Quarter 4

Module content

Theory: Atomic structure, structure of solids (ionic model). Coordination chemistry of transition metals: Oxidation states of transition metals, ligands, stereochemistry, crystal field theory, consequences of d-orbital splitting, chemistry of the main group elements, electrochemical properties of transition metals in aqueous solution, industrial applications of transition metals.Fundamentals of spectroscopy and introduction to IR spectroscopy.

Physical chemistry 382 (CMY 382)

Qualification	Undergraduate
Module credits	18.00
Programmes	BSc Human Physiology
Service modules	Faculty of Education
Prerequisites	CMY 282, CMY 283, CMY 284 and CMY 285
Contact time	4 lectures per week, 2 practicals per week, 1 discussion class per week
Language of tuition	Module is presented in English
Department	Chemistry
Period of presentation	Quarter 4

Module content

Theory: Molecular quantum mechanics. Introduction: Shortcomings of classical physics, dynamics of microscopic systems, quantum mechanical principles, translational, vibrational and rotational movement. Atomic structure and spectra: Atomic hydrogen, multiple electron systems, spectra of complex atoms, molecular structure, the hydrogen molecule ion, diatomic and polyatomic molecules, structure and properties of molecules. Molecules in motion: Viscosity, diffusion, mobility. Surface chemistry: Physisorption and chemisorption, adsorption isotherms, surface tension, heterogeneous catalytic rate reactions, capillarity.

Analytical chemistry 383 (CMY 383)

Qualification	Undergraduate
Module credits	18.00
Programmes	BSc Human Physiology
Service modules	Faculty of Education
Prerequisites	CMY 282, CMY 283, CMY 284 and CMY 285
Contact time	2 practicals per week, 1 discussion class per week, 4 lectures per week
Language of tuition	Module is presented in English
Department	Chemistry
Period of presentation	Quarter 1

Module content

Theory: Separation methods: Extraction, multiple extraction, chromatographic systems. Spectroscopy: Construction of instruments, atomic absorption and atomic emission spectrometry, surface analysis techniques. Mass spectrometry. Instrumental electrochemistry.

Organic chemistry 384 (CMY 384)

Qualification	Undergraduate
Module credits	18.00
Programmes	BSc Human Physiology
Service modules	Faculty of Education
Prerequisites	CMY 282, CMY 283, CMY 284 and CMY 285
Contact time	2 practicals per week, 1 discussion class per week, 4 lectures per week
Language of tuition	Module is presented in English
Department	Chemistry
Period of presentation	Quarter 3

Module content

Theory: NMR spectroscopy: applications. Aromatic chemistry, Synthetic methodology in organic chemistry. Carbon-carbon bond formation: alkylation at nucleophilic carbon sites, aldol and related condensations, Wittig and related reactions, acylation of carbanions (Claisen condensation).

Inorganic chemistry 385 (CMY 385)

Qualification	Undergraduate
Module credits	18.00
Programmes	BSc Human Physiology
Service modules	Faculty of Education
Prerequisites	CMY 282, CMY 283, CMY 284 and CMY 285
Contact time	4 lectures per week, 2 practicals per week, 1 discussion class per week
Language of tuition	Module is presented in English
Department	Chemistry
Period of presentation	Quarter 2

Module content

Theory: Structure and bonding in inorganic chemistry. Molecular orbital approach, diatomic and polyatomic molecules, three-centre bonds, metal-metal bonds, transition metal complexes, magnetic properties, electronic spectra, reactivity and reaction mechanisms, reaction types, acid-base concepts, non-aqueous solvents, special topics.

Introduction to computer science 151 (COS 151)

Qualification	Undergraduate
Module credits	8.00
Programmes	BSc Mathematical Statistics
Service modules	Faculty of Education Faculty of Natural and Agricultural Sciences
Prerequisites	APS of 30 and level 5 (60-69%) Mathematics.
Contact time	1 practical per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Computer Science
Period of presentation	Semester 1

Module content

This module introduces concepts and terminology related to the computer science discipline. General topics covered include the history of computing, machine level representation of data, Boolean logic and gates, basic computer systems organisation, algorithms and complexity and automata theory. The module also introduces some of the subdisciplines of computer science, such as computer networks, database systems, compilers, information security and intelligent systems. The module also focues on modelling of algorithms.

Instructional tools and e-learning 710 (CTM 710)

Qualification	Postgraduate
Module credits	16.00

Programmes	BEdHons Assessment and Quality Assurance in Education and Training BEdHons Assessment and Quality Assurance in Education and Training BEdHons Computer-integrated Education
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

The purpose of this module is to enable the candidate to master computer-integrated techniques pertaining to instructional tools and multimedia in education and training.

Literacy 411 (ECD 411)

Qualification	Postgraduate
Module credits	8.00
Prerequisites	As per PGCE entrance requirements
Contact time	3 tutorials per year, 42 lectures per year
Language of tuition	Separate classes for Afrikaans and English
Department	Early Childhood Education
Period of presentation	Year

Module content

To equip students with the foundational content and skills to develop the literacy and language proficiency of Foundation Phase learners (Grades R, 1,2, 3) and support them in their home language development so that they can become confident learners and competent communicators in at least two languages. Students can choose two languages form the following home languages: Afr/ Eng/ Sepedi/ isiZulu/ Setswana/ isiNdebele.

Numeracy 412 (ECD 412)

Qualification	Postgraduate
Module credits	8.00
Prerequisites	As per PGCE entrance requirements
Contact time	42 lectures per year, 3 tutorials per year
Language of tuition	Separate classes for Afrikaans and English
Department	Early Childhood Education
Period of presentation	Year

Module content

To facilitate knowledge, understanding and application of early mathematical knowledge, concepts, skills and processes. To further improve students' knowledge, skills and attitudes related to foundation phase mathematics. Attention is also given to the planning of activities, learning resources and assessment procedures to ensure effective learning in the mathematics programme. Academic mathematical knowledge is also part of the content.

Life skills 413 (ECD 413)

Qualification	Postgraduate
Module credits	8.00
Prerequisites	As per PGCE entrance requirements
Contact time	42 lectures per year, 3 tutorials per year
Language of tuition	Separate classes for Afrikaans and English
Department	Early Childhood Education
Period of presentation	Year

Module content

To broaden students' knowledge and understanding of Life Skills and Social Sciences (including citizenship and human rights) so as to guide them for teaching beginning knowledge in these areas to young learners. It addresses the personal and social well-being of the young learner, which is crucial to their social, intellectual, emotional and physical development, as well as to their ability to make appropriate and contextualised choices.

First Additional Language 414 (ECD 414)

Qualification	Postgraduate
Module credits	8.00
Prerequisites	As per PGCE entrance requirements.
Contact time	3 tutorials per year, 42 lectures per year
Language of tuition	Separate classes for Afrikaans and English
Department	Early Childhood Education
Period of presentation	Year

Module content

To equip students with skills and knowledge of teaching language skills like listening and speaking to English first additional language learners in the Foundation Phase (Grade R, 1, 2, 3). Attention to reading and writing as well as grammar and children's literature is offered in this regard.

Dissertation: Early childhood education 890 (ECD 890)

Qualification	Postgraduate
Module credits	180.00

Programmes	MEd MEd
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Year

Module content

A dissertation conducted under supervision of a supervisor in the area of early childhood education.

Early chilhood education 900 (ECD 900)

Qualification	Postgraduate
Module credits	0.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Year

Thesis: Early childhood education 990 (ECD 990)

Qualification	Postgraduate
Module credits	360.00
Programmes	PhD PhD
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Year

Education management 732 (EDM 732)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Education Management, Law and Policy BEdHons Education Management, Law and Policy
Prerequisites	No prerequisites
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Semester 2

Module content

The aim of this module is to provide theoretical and practical approaches to financial and human resources management within the school environment. Aspects of budgets, strategic management and governance, asset management, recruitment and selection of staff, performance management and continuous professional development are some of the themes explored in this module. Teachers, members of the school management teams and people involved in school management and leadership will find this module relevant.

Philosophy and social imperatives of education 711 (EDS 711)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Educational Psychology BEdHons BEdHons Assessment and Quality Assurance in Education and Training BEdHons Computer-integrated Education BEdHons Education Management, Law and Policy BEdHons Educational Psychology BEdHons Learning Support BEdHons Life Sciences Education BEdHons Mathematics Education BEdHons Physical Sciences Education BEdHons Teacher Education and Professional Development BEdHons Technology Education
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Educational Psychology
Period of presentation	Semester 1

Module content

Meta-theories in education. Empiricism; rational empiricism; critical rationalism; critical theory; phenomenology; hermeneutics; system theory; philosophies in education: traditional philosophies; indigenous (African) philosophies. The influence of modernism and postmodernism on education. Sociological imperatives for education. Theories of societal change and roles and values of education. Comparative perspectives on learning theories and their meaning for education.

Philosophy and social imperatives of education 733 (EDS 733)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Teacher Education and Professional Development (Distance Education) BEdHons Teacher Education and Professional Development (Distance Education)
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies

Period of presentation	Semester 1

Module content

Meta-theories in education. Empiricism; rational empiricism; critical rationalism; critical theory; phenomenology; hermeneutics; system theory; philosophies in education: traditional philosophies; indigenous (African) philosophies. The influence of modernism and postmodernism on education. Sociological imperatives for education. Theories of societal change and roles and values of education. Comparative perspectives on learning theories and their meaning for education.

Heritage and cultural tourism 110 (EFK 110)

Qualification	Undergraduate
Module credits	12.00
Programmes	BA Extended programme BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Historical and Heritage Studies
Period of presentation	Semester 1

Module content

Introduction to the study of Heritage and Cultural Tourism; overview of South African resorts and nature conservation areas as tourist destinations within the broader context of heritage and cultural tourism. An introduction to the basic research skills in the HCT domain.

Heritage and cultural tourism 120 (EFK 120)

Qualification	Undergraduate
Module credits	12.00
Programmes	BA Extended programme BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education
Prerequisites	No prerequisites.
Contact time	2 lectures per week, 1 tutorial per week
Language of tuition	Module is presented in English
Department	Historical and Heritage Studies
Period of presentation	Semester 2

Module content

Archaeo-tourism
Analysis of tourist and other visitations to archaeological sites. Topics cover international and local legislation, ethics and best practices debates on who interprets and who 'owns' the past and profits from it. Also covered are site management plans, condition assessment and a consideration of the politics and ethics of 'heritage'. Case studies range from large UNESCO World Heritage Sites to small, almost forgotten 'places of the past' scattered across the globe.

Heritage and cultural tourism 210 (EFK 210)

Qualification	Undergraduate
Module credits	20.00
Programmes	BA Visual Studies BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education
Prerequisites	EFK 110
Contact time	2 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Historical and Heritage Studies
Period of presentation	Semester 1

Module content

Utilisation of SA cultural historical heritage for tourism
Remembrance and commemoration and its utilisation in the tourism industry. Introduction to the historical-constitutional development of South Africa and inter-group relations in the country in the context of the heritage and tourism sector. An introduction to field research in the HCT domain.

Heritage and cultural tourism 220 (EFK 220)

Qualification	Undergraduate
Module credits	20.00
Programmes	BA Visual Studies BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education
Prerequisites	EFK 110, EFK 120
Contact time	1 tutorial per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Historical and Heritage Studies
Period of presentation	Semester 2

Module content

Community-based tourism
Development theories and tourism theory: relation between development and tourism. Pro-poor tourism: Opportunities for and constraints on tourism development. Case studies in sub-Saharan Africa.

Heritage and cultural tourism 310 (EFK 310)

Qualification	Undergraduate
Module credits	30.00
Programmes	BA Visual Studies
Service modules	Faculty of Education
Prerequisites	EFK 110, EFK 120; EFK 210, EFK 220
Contact time	2 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Historical and Heritage Studies
Period of presentation	Semester 2

Module content

Cultural historical sites and activities in SA
Introduction to the most important cultural historical sites and cultural activities in South Africa, with a specific focus on cultural tourism in practice. A research assignment with particular attention to literature analysis.

Heritage and cultural tourism 320 (EFK 320)

Qualification	Undergraduate
Module credits	30.00
Programmes	BA Visual Studies
Service modules	Faculty of Education
Prerequisites	EFK 110, EFK 120; EFK 210, EFK 220
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Historical and Heritage Studies
Period of presentation	Semester 1

Module content

Ethno-tourism
Approaches to the study of cultural landscapes: characteristics of ethno-tourism. The problem of stereotyping in the tourist industry. Influence of tourism on host communities: tourism dependence and residents' attitudes, authenticity and the presentation and commodification of culture. An assignment with particular attention to qualitative research methods.

Economics 110 (EKN 110)

Qualification	Undergraduate
Module credits	10.00
Programmes	BSc Mathematical Statistics BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Humanities Faculty of Natural and Agricultural Sciences
Prerequisites	No prerequisites.
Contact time	1 discussion class per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Economics
Period of presentation	Semester 1

Module content

This module deals with the core principles of economics. A distinction between macroeconomics and microeconomics is made. A discussion of the market system and circular flow of goods, services and money is followed by a section dealing with microeconomic principles, including demand and supply analysis, consumer behaviour and utility maximisation, production and the costs thereof, and the different market models and firm behaviour. Labour market institutions and issues, wage determination, as well as income inequality and poverty are also addressed. A section of money, banking, interest rates and monetary policy concludes the course.

Economics 120 (EKN 120)

Qualification	Undergraduate
Module credits	10.00
Programmes	BSc Mathematical Statistics BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Humanities Faculty of Natural and Agricultural Sciences
Prerequisites	EKN 110 GS or EKN 113 GS and at least 4 (50-59%) in Mathematics in the Grade 12 examination or 60% in STK 113 and concurrently registered for STK 123
Contact time	1 discussion class per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Economics
Period of presentation	Semester 2

Module content

This module deals with the core principles of economics, especially macroeconomic measurement the private and public sectors of the South African economy receive attention, while basic macroeconomic relationships and the measurement of domestic output and national income are discussed. Aggregate demand and supply analysis stands core to this course which is also used to introduce students to the analysis of economic growth, unemployment and inflation. The microeconomics of government is addressed in a separate section, followed by a section on international economics, focusing on international trade, exchange rates and the balance of payments. The economics of developing countries and South Africa in the global economy conclude the course.

Economics 214 (EKN 214)

Qualification	Undergraduate
Module credits	16.00
Programmes	BSc Mathematical Statistics BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Humanities Faculty of Natural and Agricultural Sciences
Prerequisites	EKN 110 GS & EKN 120 OR EKN 113 GS & EKN 123; & STK 110 GS OR STK 113 & STK 123 & STK 120/121 or concurrently registered for STK 120/121 OR WST 111 & WST121 are prerequisites instead of STK 120/121 or WST 111 and concurrently registered for WST 121.
Contact time	3 lectures per week
Language of tuition	Module is presented in English
Department	Economics
Period of presentation	Semester 1

Module content

Macroeconomics
From Wall and Bay Street to Diagonal Street: a thorough understanding of the mechanisms and theories explaining the workings of the economy is essential. Macroeconomic insight is provided on the real market, the money market, two market equilibrium, monetarism, growth theory, cyclical analysis, inflation, Keynesian general equilibrium analysis and fiscal and monetary policy issues.

Economics 224 (EKN 224)

Qualification	Undergraduate
Module credits	16.00
Programmes	BSc Mathematical Statistics
Service modules	Faculty of Education Faculty of Humanities Faculty of Natural and Agricultural Sciences

Prerequisites	EKN 110 GS & EKN 120 OR EKN 113 GS & EKN 123; & STK 110 GS OR STK 113 & STK 123 & STK 120/121 or concurrently registered for STK120/121 OR WST 111 & WST121 are prerequisites instead of STK 120/121 or WST 111 and concurrently registered for WST 121.
Contact time	3 lectures per week
Language of tuition	Module is presented in English
Department	Economics
Period of presentation	Semester 1

Module content

Microeconomics
Microeconomic insight is provided into: consumer and producer theory, general microeconomic equilibrium, Pareto-optimality and optimality of the price mechanism, welfare economics, market forms and the production structure of South Africa. Statistic and econometric analysis of microeconomic issues.

Economics 234 (EKN 234)

Qualification	Undergraduate
Module credits	16.00
Programmes	BSc Mathematics BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Humanities Faculty of Natural and Agricultural Sciences
Prerequisites	EKN 214 and STK 120/121 or WST 121 OR concurrently registered for STK 120/121 or WST 121.
Contact time	3 lectures per week
Language of tuition	Module is presented in English
Department	Economics
Period of presentation	Semester 2

Module content

Macroeconomics
Application of the principles learned in EKN 214 on the world we live in. We look at international markets and dynamic macroeconomic models, and familiarise the students with the current macroeconomic policy debates. We also take a look at the latest macroeconomic research in the world. The course includes topics of the mathematical and econometric analysis of macroeconomic issues.

Economics 310 (EKN 310)

Qualification	Undergraduate
Module credits	20.00

Programmes	BSc Mathematical Statistics
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Humanities Faculty of Natural and Agricultural Sciences
Prerequisites	EKN 214, EKN 234 or EKN 224, EKN 244
Contact time	2 lectures per week, 1 discussion class per week
Language of tuition	Afrikaans and English are used in one class
Department	Economics
Period of presentation	Semester 1

Module content

Public finance
Role of government in the economy. Welfare economics and theory of optimality. Ways of correcting market failures. Government expenditure theories, models and programmes. Government revenue. Models on taxation, effects of taxation on the economy. Assessment of taxation from an optimality and efficiency point of view. South African perspective on public finance.

Economics 320 (EKN 320)

Qualification	Undergraduate
Module credits	20.00
Programmes	BSc Mathematical Statistics
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Humanities Faculty of Natural and Agricultural Sciences
Prerequisites	EKN 310 GS
Contact time	1 discussion class per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Economics
Period of presentation	Semester 2

Module content

Economic analyses
Identification, collection and interpretation process of relevant economic data; the national accounts (i.e. income and production accounts, the national financial account, the balance of payments and input-output tables); economic growth; inflation; employment, unemployment, wages, productivity and income distribution; business cycles; financial indicators; fiscal indicators; social indicators; international comparisons; relationships between economic time series - regression analysis; long-term future studies and scenario analysis; overall assessment of the South African economy from 1994 onwards.

Education law and policy 730 (ELP 730)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Teacher Education and Professional Development BEdHons Assessment and Quality Assurance in Education and Training BEdHons Education Management, Law and Policy BEdHons Teacher Education and Professional Development
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Semester 1 or Semester 2

Module content

The aim of this module is to equip students with intellectual, academic and literacy skills in the fields of Education Law and Policy. It also seeks to prepare them for further studies in these fields and to enhance their professional development at their places of work. The module will be of benefit to those who intend pursuing studies in education law or education policy; and to practitioners of policy and law at schools and other education working environments.

Education law and policy 733 (ELP 733)

Qualification	Postgraduate
Module credits	16.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Semester 2

Module content

The aim of this module is to equip students with intellectual, academic and literacy skills in the fields of Education Law and Policy. It also seeks to prepare them for further studies in these fields and to enhance their professional development at their places of work. The module will be of benefit to those who intend pursuing studies in education law or education policy; and to practitioners of policy and law at schools and other education working environments.

English 110 (ENG 110)

Qualification	Undergraduate
Module credits	12.00
Programmes	BCom Law BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching

Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Economic and Management Sciences Faculty of Law Faculty of Health Sciences
Prerequisites	No prerequisites.
Contact time	2 lectures per week, 2 web-based periods per week, 1 discussion class per week
Language of tuition	Module is presented in English
Department	English
Period of presentation	Semester 1

Module content

*Alternative evening classes - 2 discussion classes per week Introduction to Literature in English (1) This module introduces the study of literature by examining a number of texts representing different genres (poetry, prose, drama). The texts studied here will be mainly from the pre-twentieth century era and may include texts written in English from both Africa and other parts of the world. The aim of this module is to equip students with the critical and analytical skills required for a perceptive reading of poetry, novels and plays.

English 120 (ENG 120)

Qualification	Undergraduate
Module credits	12.00
Programmes	BCom Law BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Economic and Management Sciences Faculty of Law Faculty of Health Sciences
Prerequisites	No prerequisites.
Contact time	2 lectures per week, 1 discussion class per week
Language of tuition	Module is presented in English
Department	English
Period of presentation	Semester 2

Module content

*Alternative evening classes: 2 discussion classes per week
Introduction to Literature in English (2)
This module introduces the study of post-nineteenth century literature by examining a number of texts representing different genres (poetry, drama, prose). Texts will be from both Africa and other parts of the world. By the end of this module students should have the background and analytical skills to perceptively read modern and contemporary poetry, novels and plays.

Modern English literature and English studies 210 (ENG 210)

Qualification	Undergraduate
Module credits	20.00
Programmes	BPolSci Political Studies BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	ENG 110, ENG 120
Contact time	2 discussion classes per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	English
Period of presentation	Semester 1

Module content

*Alternative evening classes - 3 discussion classes per week
Modern English literature and English language studies
This module focuses on post-nineteenth century literature in English as well as on historical and theoretical aspects of the English language.

English 220 (ENG 220)

Qualification	Undergraduate
Module credits	20.00
Programmes	BPolSci Political Studies BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	ENG 110, ENG 120
Contact time	2 lectures per week, 2 discussion classes per week
Language of tuition	Module is presented in English
Department	English
Period of presentation	Semester 2

Module content

*Alternative evening classes - 3 discussion classes per week
Twentieth-century, postcolonial and contemporary literature
This module focuses on post-nineteenth century literature in English. Various genres are covered and particular attention is given to postcolonial writing.

English 310 (ENG 310)

Qualification	Undergraduate
Module credits	30.00
Programmes	BPolSci Political Studies BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	ENG 210, ENG 220
Contact time	2 discussion classes per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	English
Period of presentation	Semester 1

Module content

Reading Medieval and Early Modern literature
In this module students study the works of writers such as Chaucer, Shakespeare, Milton and Pope. The general characteristics and techniques of these authors are discussed in relation to developments in aesthetic theory, generic conventions and socio-historical change.

English 320 (ENG 320)

Qualification	Undergraduate
Module credits	30.00
Programmes	BPolSci Political Studies BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	ENG 220
Contact time	2 discussion classes per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	English
Period of presentation	Semester 2

Module content

Reading the Nineteenth Century
In this module students read a selection of 19th-century texts in English. The general characteristics and techniques of these texts are discussed in relation to developments in aesthetic theory, generic conventions and socio-historical change.

Introduction to environmental sciences 101 (ENV 101)

Qualification	Undergraduate

Module credits	8.00
Programmes	BSc Meteorology BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Humanities
Prerequisites	No prerequisites.
Contact time	3 lectures per week
Language of tuition	Module is presented in English
Department	Geography Geoinformatics and Meteorology
Period of presentation	Quarter 1

Module content

Introducing the basic concepts and interrelationships required to understand the complexity of natural environmental problems, physical and human environment, human induced environmental problems, the ways in which the natural environment affects human society and biodiversity, an introduction to major environmental issues in Southern Africa and sustainable development in the context of environmental issues.

Human environmental interactions 301 (ENV 301)

Qualification	Undergraduate
Module credits	18.00
Programmes	BSocSci Heritage and Cultural Tourism
Service modules	Faculty of Education Faculty of Humanities
Prerequisites	No prerequisites.
Contact time	4 lectures per week, 1 practical per week
Language of tuition	Module is presented in English
Department	Geography Geoinformatics and Meteorology
Period of presentation	Quarter 2

Module content

The module focuses on contemporary environmental issues in southern Africa. Recent and future impacts of human pressures on natural resources, the state of the environment in South Africa, management of critical resources, population trends, biodiversity loss, pollution, water scarcity, desertification, climate change, waste accumulation and management, environmental management tools, environmental education and environmental management legislation.

Entrepreneurship practice 430 (EPP 430)

Qualification	Postgraduate

Module credits	10.00
Programmes	PGCHE PGCHE
Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Education Management and Policy Studies
Period of presentation	Semester 1 or Semester 2

Module content

The role of education and training in entrepreneurship, including finance, marketing, planning and project management as these relate to education.

Financial management in education 734 (FBO 734)

Qualification	Postgraduate
Module credits	16.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Semester 1 or Semester 2

Module content

Theoretical aspects. Legal frame of reference. Structuring of financial management. Budgeting. Managing finances. Entrepreneurship and project management. Introduction to the economics of education: (national – macro level, provincial – meso level, and institutional {school} – micro level).

Facilitating learning 401 (FCL 401)

Qualification	Postgraduate
Module credits	12.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements
Contact time	26 tutorials per year, 28 lectures per year
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

In FCL 401 students study the principles, practices and methods of teaching in a generic pedagogical sense. In particular general instructional knowledge is introduced using discursive resources to analyse practices across a variety of contexts, drawing from the latest textbooks, case studies (video and written based) and discussions.

Foundations of education 401 (FOE 401)

Qualification	Postgraduate
Module credits	8.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	24 lectures per year, 4 tutorials per year
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

FOE 401 introduces the study of education and its foundations. Students are guided in the exploration of philosophers in education such as Rousseau, Pestalozzi, Montessori, Gandhi, Steiner, Dewey, Piaget, Vygotsky, Illich, Freire and Lakoff. A dissecting look at the historic and futuristic trends that impacts change in education.

Financial accounting 111 (FRK 111)

Qualification	Undergraduate
Module credits	10.00
Programmes	BSc Mathematics BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Law Faculty of Natural and Agricultural Sciences
Prerequisites	No prerequisites.
Contact time	4 lectures per week
Language of tuition	Module is presented in English
Department	Accounting
Period of presentation	Semester 1

Module content

The nature and function of accounting; the development of accounting; financial position; financial result; the recording process; processing of accounting data; treatment of VAT; elementary income statement and balance sheet; flow of documents; accounting systems; introduction to internal control and internal control measures; bank reconciliations; control accounts; adjustments; financial statements of a sole proprietorship; the accounting framework.

Financial accounting 121 (FRK 121)

Qualification	Undergraduate
Module credits	12.00
Programmes	BSc Extended programme - Biological and Agricultural Sciences BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Natural and Agricultural Sciences
Prerequisites	FRK 111 GS
Contact time	4 lectures per week
Language of tuition	Module is presented in English
Department	Accounting
Period of presentation	Semester 2

Module content

Property, plant and equipment; intangible assets; inventories; liabilities; presentation of financial statements; enterprises without profit motive; partnerships; companies; close corporations; cash flow statements; analysis and interpretation of financial statements.

Financial accounting 211 (FRK 211)

Qualification	Undergraduate
Module credits	16.00
Programmes	BCom Statistics BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	FRK 111 and FRK 121 or FRK 100/101
Contact time	4 lectures per week
Language of tuition	Module is presented in English
Department	Accounting
Period of presentation	Semester 1

Module content

Preparation and presentation of company annual financial statements in compliance with the requirements of the Companies Act, the Framework and Statements of Generally Accepted Accounting Practice relating to the following: presentation of financial statements; revenue; investments; provisions, contingent liabilities and contingent assets; events after the balance sheet date; inventories; income taxes; leases; property, plant and equipment; impairment of assets; intangible assets; investment property, changes in accounting estimates and errors; introduction to financial instruments.

Financial accounting 221 (FRK 221)

Qualification	Undergraduate
Module credits	16.00
Programmes	BCom Statistics BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	FRK 211 GS
Contact time	4 lectures per week
Language of tuition	Module is presented in English
Department	Accounting
Period of presentation	Semester 2

Module content

Preparation and presentation of company annual financial statements in compliance with the requirements of Statements of Generally Accepted Accounting Practice relating to the following: employee benefits; the effects of changes in foreign exchange rates; accounting policies; earnings per share; cash flow statements; interests in joint ventures. Branch accounting. Introduction to consolidations, including basic consolidation techniques for both wholly-owned and partly-owned subsidiaries. Introduction to public sector accounting.

Community-based learning 420 (GBL 420)

Qualification	Postgraduate
Module credits	10.00
Programmes	PGCHE PGCHE
Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 2

Module content

National policies on higher education and community service; citizenship; programme characteristics of effective community service; fundamentals of community service partnerships; developing a theory and practice of campus-community; developing infrastructure for community service and community engagement; partnerships among organisations and higher education institutions for community service; principles and profiles of exemplary partnerships with community agencies; partnerships for collaborative action research; involving corporate partners; community service project.

Gender in education 730 (GEE 730)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Teacher Education and Professional Development BEdHons Teacher Education and Professional Development
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 1 or Semester 2

Module content

This module is informed by a commitment to gender equality and gender justice. It explores the concept of gender in various educational settings. It entails the intersecting relationships between gender, curriculum and identity by including related topics such as feminism and its origins, masculinity and femininity in the classroom and LGBTI issues in education among other. The module further explores topics such as gendered relationships between dominant and marginalised subjects, gender curriculum and young children as well as sexuality and the curriculum. It aims to develop a gendered awareness of how the curriculum operates in terms of curricula policies, classroom practices and materials and how this influences the construction of gendered identities.

History 110 (GES 110)

Qualification	Undergraduate
Module credits	12.00
Programmes	LLB BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education Faculty of Law Faculty of Health Sciences
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Historical and Heritage Studies

Period of presentation	Semester 1

Module content

The making of the Modern World: a survey
A selection of themes on Asia, Africa, the Americas and Europe and their contribution to the making of the Modern World.

History 120 (GES 120)

Qualification	Undergraduate
Module credits	12.00
Programmes	LLB BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education Faculty of Law Faculty of Health Sciences
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Historical and Heritage Studies
Period of presentation	Semester 2

Module content

Africa and South Africa: a survey
An overview focusing on the making of African and South African societies from the earliest times to the present with emphasis on the most significant historical forces, factors and events.

History 210 (GES 210)

Qualification	Undergraduate
Module credits	20.00
Programmes	BPolSci Political Studies BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education
Prerequisites	GES 120
Contact time	2 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Historical and Heritage Studies
Period of presentation	Semester 1

Module content

Themes from African History
A selection of themes on the history of Africa and its people during pre-colonial, colonial and post-colonial times, focusing on the social, political and economic forces that helped shape the African historical experience.

History 220 (GES 220)

Qualification	Undergraduate
Module credits	20.00
Programmes	BPolSci Political Studies BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education
Prerequisites	GES 110, GES 120
Contact time	2 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Historical and Heritage Studies
Period of presentation	Semester 2

Module content

Rise and fall of segregation and apartheid
Focuses on the origin and theoretical foundations of these policies and their entrenchment in SA legislation. The resistance against the institution of these respective policies and the subsequent dismantling of apartheid. The impact on social, cultural and economic terrain.

History 310 (GES 310)

Qualification	Undergraduate
Module credits	30.00
Programmes	BPolSci Political Studies
Service modules	Faculty of Education
Prerequisites	GES 110, GES 120; GES 210, GES 220
Contact time	2 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Historical and Heritage Studies
Period of presentation	Semester 1

Module content

Historical trends in the modern world
A selection of political, economic and social themes.

History 320 (GES 320)

Qualification	Undergraduate
Module credits	30.00
Programmes	BPolSci Political Studies
Service modules	Faculty of Education
Prerequisites	GES 110, 120; GES 210, 220
Contact time	2 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Historical and Heritage Studies
Period of presentation	Semester 2

Module content

Globalisation, diversity and change
Theories and interpretation on the process of change. Globalisation and its significance for, inter alia, the global economy, the nation-state, nationalism, ethnicity and culture.

Aspects of human geography 156 (GGY 156)

Qualification	Undergraduate
Module credits	8.00
Programmes	BSc Meteorology BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Humanities Faculty of Health Sciences
Prerequisites	No prerequisites.
Contact time	3 lectures per week, 1 tutorial per week
Language of tuition	Module is presented in English
Department	Geography Geoinformatics and Meteorology
Period of presentation	Quarter 2

Module content

This module begins by fostering an understanding of human geography. Then follows with the political ordering of space; cultural diversity as well as ethnic geography globally and locally; population geography of the world and South Africa: and four economic levels of development. The purpose is to place South Africa in a world setting and to understand the future of the country.

Southern African geomorphology 166 (GGY 166)

Qualification	Undergraduate

Module credits	8.00
Programmes	BSc Meteorology BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Humanities Faculty of Health Sciences
Prerequisites	No prerequisites.
Contact time	4 lectures per week
Language of tuition	Module is presented in English
Department	Geography Geoinformatics and Meteorology
Period of presentation	Quarter 3

Module content

Investigating southern African landscapes and placing them in a theoretical and global context. The geomorphological evolution of southern Africa. Introduction to the concepts of Geomorphology and its relationships with other physical sciences (e.g. meteorology, climatology, geology, hydrology and biology). The processes and controls of landform and landscape evolution. Tutorial exercises cover basic techniques of geomorphological analysis, and topical issues in Geomorphology.

Process geomorphology 252 (GGY 252)

Qualification	Undergraduate
Module credits	12.00
Programmes	BSc Meteorology BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education Faculty of Humanities
Prerequisites	GGY 166 or GLY 155
Contact time	4 lectures per week, 2 practicals per week
Language of tuition	Module is presented in English
Department	Geography Geoinformatics and Meteorology
Period of presentation	Quarter 2

Module content

Physical processes that influence the earth’s surface and management. Specific processes and their interaction in themes such as weathering; soil erosion; slope, mass movement and fluvial processes. Practical laboratory exercises are based on the themes covered in the module theory component.

City structure, environment and society 266 (GGY 266)

Qualification	Undergraduate
Module credits	24.00
Programmes	BSc Environmental Sciences BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education Faculty of Humanities
Prerequisites	No prerequisites.
Contact time	3 lectures per week, 1 practical per week
Language of tuition	Module is presented in English
Department	Geography Geoinformatics and Meteorology
Period of presentation	Semester 2

Module content

An urbanising world. Urban structure and land use. Urban processes. The urban environment. Social structure and change in cities. Living in the city. Economy, society and politics in the city. Third-world cities and South African cities. Urban futures.

Introductory geographic information systems 283 (GGY 283)

Qualification	Undergraduate
Module credits	14.00
Programmes	BSc Environmental Sciences
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Humanities
Prerequisites	GMC 110
Contact time	1 practical per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Geography Geoinformatics and Meteorology
Period of presentation	Semester 1

Module content

Introduction to Geographic Information Systems (GIS), theoretical concepts and applications of GIS. The focus will be on the GIS process of data input, data analysis, data output and associated technologies. This module provides the foundations for more advanced GIS and Geoinformatics topics.

Sustainable development 356 (GGY 356)

Qualification	Undergraduate
Module credits	18.00

Programmes	BSc Environmental Sciences
Service modules	Faculty of Education Faculty of Humanities
Prerequisites	No prerequisites.
Contact time	1 practical per week, 3 lectures per week
Language of tuition	Module is presented in English
Department	Geography Geoinformatics and Meteorology
Period of presentation	Quarter 1

Module content

The module conceptually integrates environmental, economic, and social components of sustainable development. Other topics covered include changing perceptions on development and environment, development paradigms, challenges of sustainable development, actors and actions in sustainable development, rural and urban livelihoods, and a Third World assessment of sustainable development in the developing world.

Applied geomorphology 363 (GGY 363)

Qualification	Undergraduate
Module credits	12.00
Programmes	BSc Meteorology
Service modules	Faculty of Education
Prerequisites	GGY 252
Contact time	4 lectures per week
Language of tuition	Module is presented in English
Department	Geography Geoinformatics and Meteorology
Period of presentation	Quarter 4

Module content

*Note: The content of this module is the same as GGY 361 and students are not allowed to earn credits for both GGY 361 and GGY 363.
Interactions of geomorphic processes within the physical and built environments; themes such as geomorphology and environmental change, slope processes and the environment, geomorphic risks and hazards, soil erosion and conservation, geomorphology in environmental management, applied weathering.

Development frameworks 366 (GGY 366)

Qualification	Undergraduate
Module credits	18.00
Programmes	BSc Environmental Sciences
Service modules	Faculty of Education Faculty of Humanities

Prerequisites	No prerequisites.
Contact time	1 practical per week, 3 lectures per week
Language of tuition	Module is presented in English
Department	Geography Geoinformatics and Meteorology
Period of presentation	Quarter 3

Module content

Classic development frameworks. Spatial development history and legacy in South Africa. Overview of contemporary environmental legislation in South Africa. Rural development strategy. Rural and agricultural reconstruction. Land reform. Urban development and strategy. Urban spatial reconstruction. National spatial development frameworks.

Geographic information systems introduction 221 (GIS 221)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	Prohibited combination GGY 283
Contact time	2 lectures per week, 1 practical per week
Language of tuition	Module is presented in English
Department	Geography Geoinformatics and Meteorology
Period of presentation	Semester 2

Module content

*GIS 221 does not lead to admission to any module at 300 level.
Introduction to Geographic Information Systems (GIS), theoretical concepts and applications of GIS. The focus will be on the GIS process of data input, data analysis, data output and associated technologies.This module teaches students to use GIS as a tool.

Global and social perspectives in education 401 (GPE 401)

Qualification	Postgraduate
Module credits	8.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements
Contact time	24 lectures per year, 4 tutorials per year
Language of tuition	Module is presented in English
Department	Humanities Education

Period of presentation	Year

Module content

GPE 401 refers to knowledge of varied situations, contexts and environments of education as well as prevailing policy, political and organizational contexts. GPE 401 is driven by an agenda of social justice and service learning where students discuss dealing with future scenarios in education emerging from globalisation, world of work and other contextual streams. Students study and experience the contextual understanding of the human and sociological development impacting on education with particular reference to following an asset-based approach to managing a diverse, multicultural, multi-ethnic group of learners often contending with problematic home circumstances and under the threat of HIV/Aids.

Introductory genetics 161 (GTS 161)

Qualification	Undergraduate
Module credits	8.00
Programmes	BSc Physics BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Veterinary Science
Prerequisites	MLB 111 GS
Contact time	2 lectures per week, fortnightly tutorials
Language of tuition	Module is presented in English
Department	Biochemistry, Genetics and Microbiology
Period of presentation	Semester 2

Module content

Chromosomes and cell division. Principles of Mendelian inheritance: locus and alleles, dominance interactions, extensions and modifications of basic principles.. Probability studies. Sex determination and sex linked traits. Pedigree analysis. Genetic linkage and chromosome mapping. Chromosome variation.

Molecular genetics 251 (GTS 251)

Qualification	Undergraduate
Module credits	12.00
Programmes	BSc Medical Sciences
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	GTS 161 GS
Contact time	fortnightly tutorials, 2 lectures per week
Language of tuition	Module is presented in English
Department	Biochemistry, Genetics and Microbiology

Period of presentation	Semester 1

Module content

The chemical nature of DNA. The processes of DNA replication, transcription, RNA processing, translation. Control of gene expression in prokaryotes and eukaryotes. Recombinant DNA technology and its applications in gene analysis and manipulation.

Genetic diversity and evolution 261 (GTS 261)

Qualification	Undergraduate
Module credits	12.00
Programmes	BSc Medical Sciences
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	GTS 251 GS
Contact time	2 lectures per week, fortnightly tutorials
Language of tuition	Module is presented in English
Department	Biochemistry, Genetics and Microbiology
Period of presentation	Semester 2

Module content

Chromosome structure and transposable elements. Mutation and DNA repair. Genomics and proteomics. Organelle genomes. Introduction to genetic analysis of populations: allele and genotypic frequencies, Hardy Weinberg Law, its extensions and implications for different mating systems. Introduction to quantitative and evolutionary genetics.

Human and financial resources management in education 880 (HFE 880)

Qualification	Postgraduate
Module credits	30.00
Programmes	MEd Educational Leadership (Coursework) MEd Educational Leadership (Coursework)
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Semester 1

Module content

Continuous professional teacher development (CPTD) as part of Human Resource Management (HRM) in South Africa towards quality education. International debates on continuous professional teacher development and management. Budget construction and budget interpretation. The quality and equity debate.

History education 730 (HIE 730)

Qualification	Postgraduate

Module credits	16.00
Programmes	BEdHons Teacher Education and Professional Development BEdHons Teacher Education and Professional Development
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 1 or Semester 2

Module content

The module aims to examine and debate the nature of African History and how it manifests itself within African and non-African school contexts. Selected issues related to the teaching of African History such as Eurocentrism; African scepticism; Gender; Racism; African indigenous historical knowledge; postcolonialism; decolonisation and the nature of historical evidence on Africa will be engaged with. In the process methodologies, policies and theories to teach African History effectively will be explored.

Dissertation: Humanities education 890 (HUE 890)

Qualification	Postgraduate
Module credits	180.00
Programmes	MEd MEd
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

A dissertation conducted under supervision of a supervisor in the area of humanities education.

Humanities education 900 (HUE 900)

Qualification	Postgraduate
Module credits	0.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Thesis: Humanities education 990 (HUE 990)

Qualification	Postgraduate
Module credits	360.00

Programmes	PhD PhD
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Information and communication technology 410 (ICT 410)

Qualification	Postgraduate
Module credits	6.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements and performance on the profiency test.
Contact time	32 lectures per year, 3 tutorials per year
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Year

Module content

ICT 410 builds on the basic competency that AIM 101 produces and aims to further enhance students' information and communication technology literacy. The main focus of this module is on advancing technology skills in using information and communication technology for pedagogical, administrative and professional practices of pre-service teachers. This module aims to present ICT; as a cognitive and instructional tool in teaching and learning; as a tool to enhance administrative functioning and as a tool for professional development.

Energy studies 880 (ILE 880)

Qualification	Postgraduate
Module credits	10.00
Prerequisites	No prerequisites.
Contact time	20 contact hours
Language of tuition	Module is presented in English
Department	Engineering and Technology Management
Period of presentation	Semester 1 or Semester 2

Module content

Energy systems form part and parcel of a how a country functions. A country/society with a well developed energy system is expected to and has shown higher levels of prosperity and productivity. However, achieving a well developed energy system is a complex process which requires a multidisciplinary understanding of energy types and energy sources. Energy systems therefore need to be chosen beyond the traditional technical considerations and need to include considerations such as the economical, environmental, political and social factors related to a country/society. Such issues will be illustrated by analysing real-world cases that will be relevant to countries that are in various stages of economic development.

Identification and assessment of learners' needs 720 (ILN 720)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Learning Support BEdHons Learning Support
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 2

Module content

The NCS document; curriculum modification; alternative assessment procedures; multi-level teaching; designing a multi-level lesson; assessment for school readiness and foundation phase.

Informatics 261 (INF 261)

Qualification	Undergraduate
Module credits	7.00
Programmes	BSc Geography
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Natural and Agricultural Sciences
Prerequisites	INF 214
Contact time	1 lecture per week, 1 practical per week
Language of tuition	Module is presented in English
Department	Informatics
Period of presentation	Semester 2

Module content

Database management: transaction management, concurrent processes, recovery, database administration: new developments: distributed databases, client-server databases: practical implementation of databases.

Informatics 271 (INF 271)

Qualification	Undergraduate
Module credits	14.00
Programmes	BIS Information Science
Service modules	Faculty of Education
Prerequisites	AIM 101 or AIM 102 or AIM 111 and AIM 121, INF 164, INF 171
Contact time	1 discussion class per week, 1 practical per week, 1 lecture per week
Language of tuition	Module is presented in English
Department	Informatics
Period of presentation	Year

Module content

Systems analysis. Systems design: construction; application architecture; input design; output design; interface design; internal controls; program design; object design; project management; system implementation; use of computer-aided development tools.

Informatics 272 (INF 272)

Qualification	Undergraduate
Module credits	14.00
Programmes	BIS Information Science
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Natural and Agricultural Sciences
Prerequisites	AIM 101 or AIM 102 or AIM 111 and AIM 121, INF 164 and INF 171, Regulation IT.3(g)
Contact time	1 lecture per week, 2 practicals per week
Language of tuition	Module is presented in English
Department	Informatics
Period of presentation	Year

Module content

Advanced programming.

Informatics 282 (INF 282)

Qualification	Undergraduate
Module credits	3.00
Programmes	BCom Statistics BEd Senior Phase and Further Education and Training Teaching

Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Natural and Agricultural Sciences
Prerequisites	FRK 111, FRK 121 or FRK 100 or FRK 101
Contact time	2 practicals per week
Language of tuition	Module is presented in English
Department	Informatics
Period of presentation	Semester 1 and Semester 2

Module content

Computer processing of accounting information.

Informatics 315 (INF 315)

Qualification	Undergraduate
Module credits	15.00
Programmes	BIS Information Science
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	INF 261, INF 225, INF 271 and INF 272
Contact time	2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Informatics
Period of presentation	Semester 1

Module content

A review of current trends which are relevant to the application of information systems within a business environment.

Informatics 324 (INF 324)

Qualification	Undergraduate
Module credits	15.00
Programmes	BIS Information Science
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	INF 261, INF 225, INF 271 and INF 272
Contact time	2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Informatics

Period of presentation	Semester 2

Module content

Information systems in organisations.

Informatics 354 (INF 354)

Qualification	Undergraduate
Module credits	15.00
Programmes	BSc Information and Knowledge Systems
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	INF 261, INF 225, INF 271 and INF 272
Contact time	1 lecture per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Informatics
Period of presentation	Semester 1

Module content

Advanced programming.

Intermediate Phase Studies 400 (IPH 400)

Qualification	Postgraduate
Module credits	12.00
Prerequisites	As per PGCE entrance requirements (mathematics requirement)
Contact time	7 tutorials per year, 48 lectures per year
Language of tuition	Separate classes for Afrikaans and English
Department	Humanities Education
Period of presentation	Year

Module content

To expose students to approaches, theories and issues relating to the Intermediate Phase learner. The module also focuses on curriculum matters (including those pertaining to Mathematics) as well as classroom management. The module focuses on phase specific theories, classroom communication/management/discipline, early identification, curriculum adaptation/support/referral as well as Fundamental Mathematics focused on the IP Mathematics curriculum.

Life skills 411 (IPH 411)

Qualification	Postgraduate
Module credits	8.00
Prerequisites	As per PGCE entrance requirements.

Contact time	24 lectures per year, 4 tutorials per year
Language of tuition	Separate classes for Afrikaans and English
Department	Humanities Education
Period of presentation	Year

Module content

The focus of IPH 411 is to build the confidence of prospective Life Skills teachers so that they are able to attend to needs, values, beliefs and responsibilities empowering learners to make informed decisions. Student-teachers develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment. Student teachers are expected to create and gather age-appropriate resource materials as part of their final assessment in this course.

Mathematics 412 (IPH 412)

Qualification	Postgraduate
Module credits	8.00
Prerequisites	As per PGCE entrance requirements.
Contact time	24 lectures per year, 4 tutorials per year
Language of tuition	Separate classes for Afrikaans and English
Department	Science Mathematics and Technology Education
Period of presentation	Year

Module content

IPH 412 entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. Mathematics in the Intermediate Phase covers five Content Areas including numbers, operations and relationships; patterns, functions and algebra; space and shape (Geometry); measurement and data handling. With the 5 content areas as backdrop, student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Social Sciences 414 (IPH 414)

Qualification	Postgraduate
Module credits	8.00
Prerequisites	As per PGCE entrance requirements.
Contact time	24 lectures per year, 4 tutorials per year
Language of tuition	Separate classes for Afrikaans and English
Department	Humanities Education
Period of presentation	Year

Module content

IPH 414 entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. This Social Sciences curriculum aims to provide opportunities for learners to look at their own worlds with fresh, critical eyes and perhaps more importantly, it aims to introduce learners to a world beyond their everyday realities. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Intermediate Phase Language teaching 416 (IPH 416)

Qualification	Postgraduate
Module credits	12.00
Prerequisites	As per PGCE entrance requirements (Language requirement).
Contact time	7 tutorials per year, 48 lectures per year
Language of tuition	Separate classes for Afrikaans and English
Department	Humanities Education
Period of presentation	Year

Module content

IPH 416 offers specialization in First language teaching in one of the official languages together with First Additional English Language teaching. 6 credits from this module covers Home Language Teaching and 6 credits cover First Additional Language teaching. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Natural Sciences and Technology 417 (IPH 417)

Qualification	Postgraduate
Module credits	8.00
Prerequisites	As per PGCE entrance requirements.
Contact time	24 lectures per year, 4 tutorials per year
Language of tuition	Separate classes for Afrikaans and English
Department	Science Mathematics and Technology Education
Period of presentation	Year

Module content

IPH 417 entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. This Natural Science and Technology curriculum aims to carefully select content and use of a variety of ways of teaching and learning Science and Technology, to promote understanding within the context of culture and indigenous knowledge systems. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Inclusive education in the early years 320 (ISA 320)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 2

Module content

This module deals with inclusive teaching for accommodation of all children in the early childhood care and learning environment, according to their diverse needs and backgrounds. Linked to the Education (OPV) 312 (the local and global context, diversity and social justice), the main areas of focus of the module are teaching and support strategies that accommodate the learning and support needs of young children with diverse needs; curriculum adaptation and differentiation; international and local policy frameworks on inclusive education; learning theories related to inclusive education, the gifted child and child with challenges; barriers to learning and development; assistive technologies and their effective use to enhance learning and teaching; classroom management approaches that promote inclusive education; learning environment for inclusive education; and ethical principles to promote social cohesion.

Inclusive education 731 (ISA 731)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Teacher Education and Professional Development BEdHons Assessment and Quality Assurance in Education and Training BEdHons Teacher Education and Professional Development
Language of tuition	Module is presented in English
Department	Educational Psychology
Period of presentation	Semester 1

Module content

Theoretical basis and nature of learning diversity, learning problems/barriers to learning, learning disabilities, cognitive functioning and special educational needs. Background, principles and implementation of inclusive education policy. Principles and practical application of learning support. Identification, screening, informal assessment and support to learners who display spoken and written language, mathematics, perceptions and non-verbal learning difficulties.

Inclusive education 733 (ISA 733)

Qualification	Postgraduate
Module credits	16.00
Language of tuition	Module is presented in English
Department	Educational Psychology
Period of presentation	Semester 1

Module content

Theoretical basis and nature of learning diversity, learning problems/barriers to learning, learning disabilities, cognitive functioning and special educational needs. Background, principles and implementation of inclusive education policy. Principles and practical application of learning support. Identification, screening, informal assessment and support to learners who display spoken and written language, mathematics, perceptions and non-verbal learning difficulties.

Afrikaans education 361 (JAF 361)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	4 lectures per week
Language of tuition	Module is presented in Afrikaans
Department	School for Teachers Training
Period of presentation	Quarter 2

Module content

*This module is only presented in Afrikaans.

In hierdie module maak die student kennis met die teorie en praktyk van Afrikaans. Inhoude word verbesonder vir die eise van die onderwysprofessie. Die manifestasies van.die taalwetenskap, taalkwessies en taalvariëteite in die onderwys vorm die taalgedeelte van die module. Op letterkundige vlak bestudeer die student teorieë, werkswyses en tekste met betrekking tot Afrikaanse drama, prosa en poësie.

Assessment 454 (JAS 454)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Early Childhood Education
Period of presentation	Quarter 1

Module content

Demonstration of observation and assessment skills in the classroom.

Management in the early years 471 (JBA 471)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Quarter 1

Module content

The module focuses on the basic leadership and management strategies and skills relevant to the Early Childhood Care and Development centre with regard to human resource management. The key content areas of the module are theories concerned with basic leadership and management; policies and processes related to human resource management; skills for influencing individual or groups of people for effective management and leadership of an ECCE site; and mentoring and support of others in the ECCE learning environments.

Management in the early years 474 (JBA 474)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Quarter 1 or 2 or 3 or 4

Module content

The module focuses on the basic administration strategies and skills relevant to the Early Childhood Care and Development centre. The key content areas of the module include administrative strategies, guidelines and procedures for effective management of early childhood centres; creating and maintaining healthy and safe teaching and learning environment for both children and educators; and keeping and maintaining up-to-date day-to-day income and expenditure and financial records and other tangible and intangible assets of the ECCE centre.

English education 361 (JEN 361)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	4 lectures per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Quarter 2

Module content

This module serves as an advanced study of a selection of English dramas, novels and poetry, as dealt with in their elective, and endeavours to enhance the students' skills in the critical reading of a variety of literary genres. Students are required to display critical reading and academic writing skills in English in order to understand and appreciate the complexity and value of the selected genres. The teaching and learning will have as its focus the specific application of the selected literary genres to the teaching thereof. How to approach a play, novel or poem, and how to teach the relevant components in the various phases and grades will be dealt with.

Foundation phase studies 110 (JFP 110)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Contact time	1 lecture per week, 1 practical per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 2

Module content

Understanding and use of content and skills for outcomes-based education as prescribed by the National Curriculum. Planning and managing the three learning programmes in the Foundation Phase.

Professional practice 111 (JFP 111)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Foundation Phase Teaching BEd Foundation Phase Teaching
Contact time	1 practical per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 1

Module content

To design and develop teaching skills, strategies, resources and material. To assist the development of student teachers' own handwriting and chalkboard skills and support the development of the learner handwriting. To prepare the student to select, plan, prepare and use media in the learning environment that enhance the learners' perceptual skills and stimulate critical thinking and problem-solving skills. This module forms the foundation of the 4th year module JFP 451.

Professional practice in the early years 1 310 (JFP 310)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 1

Module content

The module provides a framework for understanding the early childhood care and education professional practice. It explores the role and responsibilities as well as ethical standards of early years professionals. Linked to the situational complexities dealt with in the Education (OPV) 112 and taking a particular focus on the ECCE context, this module examines the cultural, socio-economic, political and historical trends, issues, and practices associated with educating young children from birth up to the age of four, including related controversies and adversities. Early childhood policies, laws, legislations, professional standards and government systems are also addressed.

Foundation phase studies 404 (JFP 404)

Qualification	Undergraduate
Module credits	8.00
Prerequisites	As per PGCE entrance requirements
Contact time	42 lectures per year, 3 tutorials per year

Language of tuition	Separate classes for Afrikaans and English
Department	Early Childhood Education
Period of presentation	Year

Module content

Understand, plan, implement and assess learning through play to promote learning and development in the early years, particularly Grade R. The following reflect the topics to be covered: the aim and purpose of early childhood education, the role of play in Grade R classrooms; the developmental milestones of 3 to 6 year olds; the daily programme for Grade R including structured, routine and free play activities as well as general principles and resources for a Grade R class.

Foundation phase studies 410 (JFP 410)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Language of tuition	Separate classes for Afrikaans and English
Department	Early Childhood Education
Period of presentation	Semester 1 or Semester 2

Module content

Understanding and use of content and skills for outcomes-based education as prescribed by the National Curriculum. Planning and managing the three learning programmes in the Foundation Phase.

Professional practice 451 (JFP 451)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Foundation Phase Teaching BEd Foundation Phase Teaching
Contact time	3 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Early Childhood Education
Period of presentation	Quarter 1

Module content

To develop students' competence in foundation phase practices. This module aims at preparing students to implement effective classroom practices in the foundation phase. The module focuses on aspects such as planning and assessment, creating an environment that is conducive to learning, innovative teaching strategies, and classroom management.

Professional practice in the early years 2 461 (JFP 461)

Qualification	Undergraduate

Module credits	6.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Quarter 1

Module content

The module addresses early childhood programmes and settings. It explores aspects of quality early childhood care and education programmes and looks at the planning, design and implementation of a lesson plan for early learning, including formative and summative assessment and learning activities. In addition, the module provides opportunities for creation of the necessary teaching aids to enable optimal learning and development of young children.

Professional practice in the early years 2 464 (JFP 464)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Quarter 4

Module content

This module focuses on the link between professionalism in context and teaching practice, and develops a functional understanding of the importance of teaching practice in early childhood. Building further onto the Professional practice (JFP) 471 and with a strong focus on the application of the theories that informs the practices of early childhood, this module provides students with the knowledge and skills regarding analysis and strategic improvements of ECCE sites for optimal learner development. It looks also at the responsible and professional work habits and educator (teacher) identity development of the professionals as critically reflective educators.

Professional practice 471 (JFP 471)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites

Contact time	2 four hour practicals for one week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Quarter 1

Module content

Themes that prepare students for professional practice. School expectations. Ethics, professional appearance, assessment frameworks; record keeping; discipline. Role and organising of extra-curricular activities. Dealing with emergencies.

Literacy practices: English 110 (JGL 110)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Foundation Phase Teaching BEd Foundation Phase Teaching
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 1

Module content

Equips the student through English home language with the knowledge, skills, attitudes and values to develop and enhance the young child’s literacy through the use of children’s literature. It has a holistic approach to emergent literacy as part of the English home language development of the 0-9 - year- old child.

Literacy in the early years 1 111 (JGL 111)

Qualification	Undergraduate
Module credits	12.00
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 1

Module content

This module focuses on the conceptual framework for supporting young children’s development with regard to early literacy and language. It considers theoretical knowledge, concepts and principles of communication, language and literacy; early childhood communication, language and literacy development and learning; role modelling, supporting young children’s communication, language and literacy development; structure of the content areas in communication, language and literacy; learning environments for supporting emergent literacy; and supporting early learning through play in communication, language and literacy.

Geletterheidspraktyke:Afrikaans 113 (JGL 113)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in Afrikaans
Department	Early Childhood Education
Period of presentation	Semester 1

Module content

Die module rus die student deur die medium van Afrikaans huistaal, toe met die nodige kennis, vaardighede, houding en waardes om vroeë geletterdhed aan die jong leerder te fasiliteer. Dit geskied deur die gebruik van kinderliteratuur. Die fasilitering van vroeë geletterdhed in Arikaans as huistaal, is deel van die taalontwikkeling van die 0-9 jaar, kind.

Early literacy 120 (JGL 120)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 2

Module content

Facilitating the acquisition of early literacy. The use of children's literature in early literacy.

Literacy practices: English 200 (JGL 200)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Foundation Phase Teaching BEd Foundation Phase Teaching
Prerequisites	JGL 110
Contact time	3 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 1

Module content

This module introduces the concepts of language and literacies, highlighting the importance of these for learning in English as home language. Various themes relate to the teaching and learning of the basic communicative skills with a strong focus on children's literature education and writing. The module aims to prepare students with the necessary English home language skills as a follow-up module to JGL 110. A goal of the module is to support young learners in their language development so that they become confident learners and competent communicators in English.

Literacy in the early years 2 211 (JGL 211)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 1

Module content

This module focuses on Emergent Literacy, which involves the knowledge, skills, and attitudes that young children develop with regard to reading and writing during the phases of their early childhood. The main content areas of focus of the module include integrated emergent literacy approach; emergent reading and writing; competencies related to emergent literacy, such as the oral (expressive/speaking and receptive/listening) language aspects, visual literacies (viewing and drawing), print and recognition of the meaning it carries; basic alphabet knowledge and early phonological awareness; contextual factors that influence development of emerging literacy; and supporting emergent literacy through play.

Geletterdheidspraktyke: Afrikaans 213 (JGL 213)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	JGL 113
Contact time	3 lectures per week
Language of tuition	Module is presented in Afrikaans
Department	Early Childhood Education
Period of presentation	Semester 1

Module content

Hierdie module bied 'n inleiding tot taal en geletterdhede en beklemtoon die belangrikheid hiervan vir die leerproses in Afrikaans as huistaal. Daar is 'n verskeidenheid van temas wat fokus op die onderrrig en aanleer van basiese kommunikatiewe vaardighede, met klem op skryfvaardigheid en kinderliteratuur. Die module inhoud rus voornemende onderwysers toe in Afrikaans as huistaal, as ‘n opvolg module vir JGL 113. Die doel van die module is om jong leerders se taalontwikkeling te stimuleer sodat hulle met selfvertroue in Afrikaans kan kommunikeer.

Literacy practices: English 311 (JGL 311)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Foundation Phase Teaching BEd Foundation Phase Teaching
Prerequisites	JGL 200
Contact time	3 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 1

Module content

The module focuses on the practical application of the theory gained in the first and second-year literacy practices modules (JGL 110, 200) in terms of the teaching of reading and writing to learners in grades 1-3 in English as home language.

Literacy in the early years 3 312 (JGL 312)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 1

Module content

This module focuses on the creation and nurturing of young children's early literacy experiences in terms of speaking, listening, reading and writing. The module addresses pedagogical strategies and practices for supporting young children's language and early literacy development and learning. It covers content related to the key aspects of learning environments that promote learning and development of language and early literacy with regard to vocabulary development, letter-sound knowledge (phonics), and alphabetic and phonological awareness; strategies for development of socially appropriate communication in context; designing literacy rich learning environment for early stimulation and language learning; and translanguaging, multilingualism and bilingualism.

Geletterdheidspraktyke:Afrikaans 313 (JGL 313)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	JGL 213
Contact time	3 lectures per week
Language of tuition	Module is presented in Afrikaans
Department	Early Childhood Education
Period of presentation	Semester 1

Module content

Die module fokus op die praktiese toepassing van die teorie wat verwerf is in die eerste en tweede jaar geletterdheidspraktyk modules (JGL 113, 213), in terme van die lees en skryf vaardighede van grade 1-3 leerders in Afrikaans as huistaal.

Geletterdheidspratyke: Afrikaans 461 (JGL 461)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Foundation Phase Teaching BEd Foundation Phase Teaching
Prerequisites	JGL 213
Contact time	2 lectures per week
Language of tuition	Module is presented in Afrikaans
Department	Early Childhood Education
Period of presentation	Quarter 1

Module content

Hierdie is ‘n verpligte module vir alle Grondslagfase Onderwys studente..Die doel van die module is om studente toe te rus met taalvaardigheid, om in Afrikaans as ‘n addisionele taal in die grondslagfase te onderrig vir spreektaaldoeleindes. Die student sal die vaardighede aanleer om die Afrikaanse taal en struktuur te gebruik, asook die vaardighede om dit te onderrig, onderworpe aan die beginsels vir onderrig van ‘n addisionele taal. Die aanbieding van die module sal gedoen word deur die gebruik van Afrikaanse kinderliteratuur soos stories en poësie.

Literacy practices: English 464 (JGL 464)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Foundation Phase Teaching BEd Foundation Phase Teaching
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Quarter 4

Module content

This is a compulsory module for all Foundation Phase students. The aim of the module is to equip students with the skills and knowledge to teach English as additional language in the Foundation Phase. The student will acquire the knowledge of English language use and structure as well as the skills to teach it as additional language; adhering to the principles of teaching an additional language. Attention to children’s literature is offered in this regard.

Multi-literacies 730 (JGL 730)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Teacher Education and Professional Development BEdHons Assessment and Quality Assurance in Education and Training BEdHons Teacher Education and Professional Development
Prerequisites	Any undergraduate equivalent language and/or literacy module
Contact time	7 lectures
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 1 or Semester 2

Module content

This module introduces the concepts of multi-literacies and multimodality highlighting the importance of these when teaching learners from diverse linguistic and cultural communities. The topics dealt with in this module should not be seen in isolation but are interrelated and are applicable to teaching in the global classroom. Topics include, among others, language and literacies; language acquisition theories; current language policies; the multilingual classroom; English as a *lingua franca*; World Englishes; globalisation and school and social literacies. The student is expected to design appropriate applications of various concepts in innovative classroom practices that reflect an advanced knowledge of key South African texts, policies and issues as addressed in this module.

Multi-literacies 733 (JGL 733)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Teacher Education and Professional Development (Distance Education) BEdHons Teacher Education and Professional Development (Distance Education)
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 2

Module content

This module introduces the concepts of multi-literacies and multimodality highlighting the importance of these when teaching learners from diverse linguistic and cultural communities. The topics dealt with in this module should not be seen in isolation but are interrelated and are applicable to teaching in the global classroom. Topics include, among others, language and literacies; language acquisition theories; current language policies; the multilingual classroom; English as a lingua franca; World Englishes; globalisation and school and social literacies. The student is expected to design appropriate applications of various concepts in innovative classroom practices that reflect an advanced knowledge of key South African texts, policies and issues as addressed in this module.

Early numeracy 120 (JGS 120)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Contact time	1 practical per week, 1 lecture per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 2

Module content

Facilitating the acquisition of early numeracy concepts and skills.

Foundation phase mathematics 121 (JGS 121)

Qualification	Undergraduate

Module credits	6.00
Programmes	BEd Foundation Phase Teaching BEd Foundation Phase Teaching
Contact time	1 practical per week, 1 lecture per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 2

Module content

The facilitating and acquisition of early mathematics pedagogy (for children 0-6 years).

Mathematics in the early years 1 122 (JGS 122)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 2

Module content

This modules focuses on fostering young children’s development of early mathematical concepts. The theoretical knowledge informing early mathematics is brought into perspective; and the content areas in early mathematics such as numbers, shape, measurement, patterns and classification are explored. Other key content areas of focus examined in the modules are the development of early mathematical concepts through the use of everyday play and other activities; learning environments for early mathematics; and supporting learning in early mathematics.

Foundation phase mathematics 211 (JGS 211)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Foundation Phase Teaching BEd Foundation Phase Teaching
Contact time	2 lectures per week, 1 practical per week
Language of tuition	Separate classes for Afrikaans and English
Department	Early Childhood Education
Period of presentation	Semester 1

Module content
The facilitating and acquisition of foundation phase mathematics pedagogy (grades 1-3).

Foundation phase mathematics 212 (JGS 212)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Foundation Phase Teaching BEd Foundation Phase Teaching
Contact time	1 practical per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 1

Module content

The purpose of the course is to develop a deeper understanding of critical elements of mathematics, including the natural number system, its properties and the four number operations. The transition to the rational number system is explored with attention to its properties and operations. Number patterns and relationships between numbers are explored to develop greater fluency in mathematics computations. Attention is given to pictorial, verbal, diagrammatic and symbolic representations. The development of major topics, measurement, geometry, statistics and probability are explored with a view to providing insights into teaching and learning. Throughout the course attention is given to problem solving and algebraic reasoning.

The methodology of the course will include hands-on activities which promote confidence and agency in the classroom. While some attention is given to teaching in the Foundation Phase, this outcome is not central to the course.

Mathematics in the early years 2 222 (JGS 222)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 2

Module content

This module focuses on the development of young children's emergent or early mathematics skills and attitudes throughout the phases of their early childhood. The main content areas of focus of the module include competencies related to emergent mathematics; the concurrent and integrated development of early literacy and mathematics skills; the positive and integrated approach to emergent mathematics in the early years; ethno-mathematics in the early years; creation of stimulating mathematics enriched early childhood environments; and supporting emergent mathematics through play and interaction with objects.

Early intervention in numeracy and literacy 730 (JGS 730)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Learning Support BEdHons Learning Support
Prerequisites	No prerequisites.
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 1 or Semester 2

Module content

This module will equip students with theoretical knowledge and practical skills in dealing with numeracy and literacy in Early Childhood Education and Foundation Phase. It is inquiry-based and takes on a critical stance on issues raised globally and nationally on the mediation and facilitation of literacy and numeracy in the Foundation Phase classroom. Students will be able to assist learners in the acquisition of mathematical and literacy concepts, skills and processes

Health, safety and nutrition 120 (JGV 120)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	School for Teachers Training
Period of presentation	Semester 2

Module content

This module focuses on the basic concepts of health, safety and nutrition in early childhood, and examines the aspects of quality early childhood programme provisioning from the perspective of health, safety and nutrition. The main areas of focus of the module include the nutritional needs of young children; norms and standards for health, safety and nutrition for young children; principles of young children's meal planning; creation of high quality learning environments for health, safety and nutrition; supporting quality health, safety and nutrition in responsive ways; administering young children's medicines including HIV positive children; environmental risks, accidents and emergencies; dealing with communicable diseases, young children's common illness and HIV/AIDS.

Health and safety 210 (JGV 210)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Foundation Phase Teaching BEd Foundation Phase Teaching
Contact time	2 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	School for Teachers Training
Period of presentation	Semester 2

Module content

The module has a holistic approach to the aspects of health, safety and nutrition of the young child, including knowledge about HIV/Aids. It is a field of knowledge that will equip you with the necessary knowledge, skills, values and attitudes needed to create and promote a safe environment in which the young child can grow and develop. The main focus of this field of knowledge is the Life Orientation Learning area, which forms part of the Life Skills Learning Programme in Early Childhood Development and Education (ECD).

Art education 100 (JKG 100)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

This module provides students with an overview of historical and contemporary art movements. Important artists and artworks of this period are emphasized and discussed in context. History of art education within the school context is explored with emphasis on Western art movements and styles.

Art education 200 (JKG 200)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

History of art education as stipulated in the Curriculum and Assessment Policy Statement (CAPS) is explored. Emphasis is placed on European and South African art movements. Important artists and artworks of these periods are emphasized and discussed in context. Evaluations and discussions of art exhibitions will take place, as well as the interpretation and analysis of artwork.

Art education 300 (JKG 300)

Qualification	Undergraduate
Module credits	8.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

History of art and theory of visual literacy is explored. Focus is placed on South African art by studying pioneers, including contemporary trends, styles and techniques. Theoretical frameworks used in the interpretation, analysis and evaluation of visual culture studies are investigated. Emphasis is placed on interaction of image and text evaluation and analysis of visual art.

Art education 101 (JKU 101)

Qualification	Undergraduate

Module credits	18.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 practicals per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

This module focuses on examining various methods and techniques for stimulating creativity in the classroom, by introducing fundamental art elements and principles, techniques and use of media. This module includes the exploration of concepts of visual literacy, the development of understanding and application thereof by the student in creative ways through experimentation with traditional art media.

Art education 201 (JKU 201)

Qualification	Undergraduate
Module credits	20.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	4 practicals per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

This module allows students to discover their own creative ideas and thoughts by means of various art media, techniques and processes. There is emphasis on theoretical and practical components such as art appreciation, principles and elements of art, art programmes and the critical evaluation of the creative process. A deeper analysis, interpretation and application of structure, form, composition, texture, spatial relations and colour manipulation are explored.

Art education 202 (JKU 202)

Qualification	Undergraduate
Module credits	40.00
Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education

Period of presentation	Year

Module content

JKU 202 is an elective module for BEd students in the Intermediate, Senior and FET phases. In this module students can discover their own creative ideas and thoughts by means of a number of different art mediums and processes. The focus is on the development of the student's art skills, knowledge and values which can be applied with confidence in the teaching and learning area of Art in the Intermediate, Senior and FET phases. There is emphasis on theoretical components such as art appreciation, principles and elements of art, art programmes, and the critical evaluation of the creative process. This module includes the introduction of the student to concepts of visual literacy, the development of understanding and application thereof by the student in creative ways.

Art education 301 (JKU 301)

Qualification	Undergraduate
Module credits	32.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	5 practicals per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

A significantly higher level of understanding and mastery in terms of the intellectual, perceptual, aesthetic and technical aspects of art education is explored. The aim of this module is to extend the student’s personal visual vocabulary and promote self-expression. Emphasis is placed on visualising and expressing ideas and conceptual development of the individual student. Opportunities for advanced technical and conceptual skills are provided, including the experimentation of two- and three-dimensional forms, problem solving and evaluation.

Art education 302 (JKU 302)

Qualification	Undergraduate
Module credits	40.00
Prerequisites	JKU 202
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

This module focuses on examining various methods and techniques for stimulating creativity in the classroom, in the Intermediary, Senior and Further Education and Training (FET) Phases. The primary focus of the module is the development of the student's art skills, with a view to extending the personal visual vocabulary and promoting self-expression. The student must achieve a significantly higher level of understanding and mastery in terms of the intellectual, perceptual, aesthetic and technical aspects of art education. Additional support is provided through theoretical lectures, practical assignments, demonstrations and continuous assessment. Each student is required to compile a practical portfolio and visual diary, the artwork of which must demonstrate technical quality and provide proof that the student is ready to meet the demands of the practical profession. The portfolio will serve as a guide for future reference in the classroom.
Each student is required to compile a practical portfolio and visual diary, the artwork of which must demonstrate technical quality and provide proof that the student is ready to meet the demands of the practical profession. The portfolio will serve as a guide for future reference in the classroom.

Methodology of Laboratory techniques 351 (JLA 351)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Contact time	1 lecture per week, 1 practical per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

Identification and storing of apparatus; Handling of hazardous chemicals, Laboratory safety and first aid; Laboratory organisation, Laboratory techniques and use of specific apparatus; Standard solutions; Measurement; Improvising apparatus in poorly resourced schools, Aim and design of practical activities; Practical examinations.

Learning support 220 (JLD 220)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Foundation Phase Teaching BEd Foundation Phase Teaching
Contact time	4 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Early Childhood Education
Period of presentation	Semester 2

Module content

The purpose of this module is to equip the student with knowledge about inclusion and inclusive education in South Africa. We focus on the causes of learning barriers, skills a teacher needs to support learners with learning barriers, as well as ways to accommodate these learners in the classroom. The causes of barriers to learning are examined and we distinguish between intrinsic and extrinsic factors that can cause learning problems. Multidisciplinary and systemic approaches are introduced. The family as primary educational institution is discussed, as well as the effect of the different parenting styles and child rearing errors on the development and academic progress of the child.

Learning support 221 (JLD 221)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Intermediate Phase Teaching BEd Intermediate Phase Teaching
Prerequisites	No prerequisites.
Contact time	4 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 2

Module content

The purpose of this module is to equip student with knowledge on the holistic development of a child in an inclusive South African context. The module focuses on causes of learning difficulties, skills teachers need to support these learners, as well as ways to accomdate and differntiate the curriculum for the benefit of learners with diverse educational needs in the intermediate phase. The intrinsic, and extrinsic causes of barries to learning are examined and mulitidisciplinary approaches to intervention are introduced. The family as the primary educational institution, the parenting styles and child-rearing errors are acknowledged as factors that contribute to the devleopment and academic progress of the child.

Learning support 320 (JLD 320)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Intermediate Phase Teaching BEd Intermediate Phase Teaching
Contact time	2 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Early Childhood Education
Period of presentation	Semester 2

Module content

The purpose of the module is to equip the student with the knowledge and skills needed to identify learners with learning difficulties in the classroom, assess these learners and plan intervention strategies to support them. We focus on the early identification of learning difficulties, diagnostic assessment to determine the underlying causes thereof, as well as intervention strategies in order to successfully address learning barriers in the Intermediate Phase. The student will learn how to adapt the curriculum for learners experiencing learning difficulties and how to support these learners in building a positive self-esteem by providing opportunities for learning success and in doing so enabling the learners to believe in their own abilities.

Learning support 400 (JLD 400)

Qualification	Undergraduate
Module credits	24.00
Programmes	BEd Foundation Phase Teaching BEd Foundation Phase Teaching
Prerequisites	No prerequisites.
Contact time	4 lectures per week S1 only Q1, 4 lectures per week S2 only Q4
Language of tuition	Separate classes for Afrikaans and English
Department	Early Childhood Education
Period of presentation	Year

Module content

This module will focus on the early identification of learning problems, diagnostic assessements to determine the underlying causes thereof, as well as intervention strategies in order to successfullly address learning barriers in the Foundation Phase. The student will learn how to adapt the curriculum for learners experiencing problems with language as well as Mathematics and how to support these learners in building a positive self esteem by providing opportunities for learning success and in doing so letting the learners believe in their own abilities.

Learning support education 402 (JLD 402)

Qualification	Postgraduate
Module credits	6.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	3 tutorials per year, 18 lectures per year
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

To facilitate knowledge and understanding of inclusion and insight into the causes of barriers to learning. The module focuses on the basic identification of learning difficulties and elementary diagnostic assessment to determine the underlying causes thereof, as well as intervention strategies in order to successfully address learning barriers across phases using the School-based Support system and curriculum differentiation. The student will learn how to adapt the curriculum for learners experiencing problems (including learners with disabilities or special needs) and how to support these learners in building a positive self-esteem by providing opportunities for learning success and in doing so enabling the learners to believe in their own abilities.

Basic economic and management sciences 181 (JLE 181)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Intermediate Phase Teaching BEd Intermediate Phase Teaching
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Semester 2

Module content

The module entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. Emphasis is placed on reaching the prescribed learning outcomes with regard to the history of money; needs and wants; inequality and poverty; savings, budgets, income and expenses; accounting concept; and the entrepreneur and starting a business. Practical application through an entrepreneur’s day is included.

Arts and culture 110 (JLK 110)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Foundation Phase Teaching BEd Foundation Phase Teaching
Prerequisites	No prerequisites.
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 1

Module content

Students acquire teaching skills to facilitate group music making activities with learners in the foundation phase. Three components are balanced in this programme: basic knowledge (music concepts and theoretical content); music skills (singing, playing instruments, listening, moving, applying music notation and creating); and didactical skills. The value of music in a culturally diverse society is emphasized.

Arts and culture 120 (JLK 120)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Foundation Phase Teaching BEd Foundation Phase Teaching
Prerequisites	No prerequisites.
Contact time	2 practicals per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 2

Module content

This module assists students to explore various methods of stimulating creativity in the classroom environment. They are familiarised with basic art making skills and processes that can be used in the Foundation Phase. The module allows students to explore their own creative thinking through various art mediums and processes, while being guided through theoretical lectures and practical demonstrations. A practical portfolio is compiled by every student, containing examples of art works and theoretical research. The portfolio serves as a manual for future reference in the classroom.

Creativity in the early years 121 (JLK 121)

Qualification	Undergraduate
Module credits	16.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 2

Module content

The module focuses on the development of creative thinking in young children and addresses the content and theoretical knowledge of creativity and the creative arts. It deals with musical, movement (gross-motor, fine-motor and perceptual awareness), visual art and dramatic play skills). The key areas of focus include creativity and imagination in young children; engaging with innovative digital initiatives in the creative arts education for teaching and for creation of creative arts learning materials; and responsive approaches to the creative arts for the diverse contexts and catering for the special needs of children.

Creativity in the early years 220 (JLK 220)

Qualification	Undergraduate
Module credits	16.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 2

Module content

The module explores strategies, principles, methods and materials for the facilitation of creative expression in young children through play-based creative arts. The focus is placed on the methods and skills for assisting and encouraging young children to learn and express themselves through visual art, music, movement and drama. The main areas of focus include young children's personal expression of thoughts and feelings; planning and creating creative arts learning materials, environments and experiences; assessment of young children's creative arts activities; and cross-curricular approaches to the creative arts.

Methodology of Languages 330 (JLL 330)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Language of tuition	Separate classes for Afrikaans and English
Department	Humanities Education
Period of presentation	Semester 2

Module content

This methodology course pertains to the principles and practice of teaching and learning languages with special reference to English as an additional language. A theoretical underpinning strengthens students' understanding of language development as well as their ability to plan and design optimal learning opportunities across phases.

Methodology of Social sciences 352 (JLM 352)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 1

Module content
The planning, preparation, assessment and presentation and of subject content in Social sciences to Intermediate- and Senior Phase Learners, based on the 2012 Curriculum and Assessment Policy (CAPS.)

Life orientation 110 (JLO 110)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 1

Module content
The main focus of this module is on personal development and therefore the question: “Who am I?” is posed. The content is designed to focus on the student as individual and on the various factors that influence individual development. Students are guided to develop relevant knowledge, intrapersonal skills and attitudes to display resilient behaviour.

Life orientation 111 (JLO 111)

Qualification	Undergraduate
Module credits	12.00
Service modules	Faculty of Health Sciences
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 1

Module content
To empower the student teacher to achieve and extend his/her personal potential by addressing changes in youth behaviour. The module focuses on characteristics that have been identified in research to bring about positive behaviour change. Students are guided to develop knowledge and skills with regard to physical development and movement as one of the topics of the subject Life Orientation. The module also focuses on certain aspects of sport psychology as well as physiological dimensions needed to assess the movement skills of learners. The practical component focuses on learning and teaching of sport and human movement development skills for the school sport teaching and training environment. This practical component forms the foundation for the following study years.

Life orientation 120 (JLO 120)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 2

Module content

This module also focuses on personal development, but with the emphasis on the question: " How is my interaction with other people?" Knowledge and application of interpersonal skills such as conflict management,emotional intelligence and assertiveness will be dealt with.

Life orientation 121 (JLO 121)

Qualification	Undergraduate
Module credits	12.00
Service modules	Faculty of Health Sciences
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 2

Module content

To empower student teachers to achieve and extend their personal potential and to guide them to develop knowledge and skills with regard to physical and psychological development as two of the topics of the subject Life Orientation. The topic of this module is also Personal Development but focuses on the interpersonal and intrapersonal skills of the student. Topics covered include: developmental stages, self-actualisation, self-concept, conflict management and personal management. The module also focuses on human anatomy and basic physiology as background to developing human movement. The practical component focuses on learning and teaching of sport and human movement development skills for the school sport teaching and training environment. It forms the foundation for the following study years where different disciplines are learnt. On attainment of the learning outcomes the student should be able to demonstrate his/her knowledge and understanding of the theory to be applied in the practical classes.

Life orientation 150 (JLO 150)

Qualification	Undergraduate
Module credits	12.00
Programmes	Higher Certificate Sport Science Education Higher Certificate Sport Science Education

Prerequisites	Admission to the relevant programme.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 1

Module content

The main focus of this module is on personal development and therefore the question: “Who am I?” is posed. The content is designed to focus on the student as individual and on the various factors that influence individual development. Students are guided to develop relevant knowledge, intrapersonal skills and attitudes to display resilient behaviour.

Life orientation 210 (JLO 210)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Humanities Education
Period of presentation	Semester 1

Module content

The human being in context: social and community life. Life orientation educator. Social skills.

Life orientation 211 (JLO 211)

Qualification	Undergraduate
Module credits	16.00
Contact time	2 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Early Childhood Education
Period of presentation	Semester 1

Module content

This module will focus on two main topics namely sexuality education and basic counselling skills. In sexuality education the student will be prepared to deal with sexuality related topics in the classroom situation, as well as basic counselling skills within the school context.

Life orientation 220 (JLO 220)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Humanities Education
Period of presentation	Semester 2

Module content

The human being in the world. Diversity, values and principles. Issues concerning discrimination, race, religion, culture, sexuality, age, abilities. Contemporary issues concerning classrooms, individual and systemic perspectives. Support for matters concerning HIV/Aids. Safe schools. Violence in schools. Crime. Emotional problems. Prevention of deviant social behaviour.

Life orientation 221 (JLO 221)

Qualification	Undergraduate
Module credits	16.00
Contact time	2 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Early Childhood Education
Period of presentation	Semester 2

Module content

The focus of this module will be on child psychiatric disorders such as depression, eating disorders, at risk behaviour, suicide, drug abuse and bereavement. These topics will be linked to the basic counselling skills covered in JLO 211 as to equip students to deal with these disorders and challenges in a classroom situation.

Life orientation 310 (JLO 310)

Qualification	Undergraduate
Module credits	20.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Humanities Education

Period of presentation	Semester 1

Module content

The human being in the world: citizenship. Theoretical foundation of citizenship. Human rights and responsibilities. Political awareness and voluntary participation. Social and environmental concerns. Social responsibility. Service Learning: theory and practice. Service Learning project.

Life orientation 311 (JLO 311)

Qualification	Undergraduate
Module credits	20.00
Contact time	2 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Humanities Education
Period of presentation	Semester 1

Module content

This module will firstly focus on Human Rights, and various policy documents such as the Constitution, Child's Act and School's Act will be examined as basis for addressing topics such as bullying and aggressive behaviour. The module will be dealt with from a diverse context where various cultures, ethnic groups and languages co-exist.

Life orientation 320 (JLO 320)

Qualification	Undergraduate
Module credits	20.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Humanities Education
Period of presentation	Semester 2

Module content

The human being in interaction: lifelong learner. Strategies and learning domains. Perspectives on the future. Economic independence. Career development: theoretical approach to career orientation. Career guidance. Integration of careers and opportunities for training in the world of careers. Skills for obtaining employment. Work ethics.

Life Orientation 321 (JLO 321)

Qualification	Undergraduate
Module credits	20.00
Contact time	2 lectures per week

Language of tuition	Separate classes for Afrikaans and English
Department	Humanities Education
Period of presentation	Semester 2

Module content

Career Guidance will form the basis of this module and student teachers will be equipped with skills to guide learners to make career choices. Indigenous knowledge (main religions of South Africa) will also be dealt with.

Methodology of Life orientation 330 (JLO 330)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 1

Module content

The purpose of this module is to prepare students to present Life orientation during their 4th year practice. The emphasis will be on teaching methods with the focus on the purpose of Life orientation: “Equipping learners with knowledge, skills and values for self fulfillment and meaningful participation in society as citizens of a free country”, e.g. building self esteem, interpersonal – and cross cultural relationships, leadership – and management skills, communication, coaching and mentor skills.

Methodology of Life Orientation 430 (JLO 430)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	May only be taken in the final year of study
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 1 and Semester 2

Module content

The purpose of this module is to prepare fourth year students to present Life Orientation during their fourth year practice. The emphasis will be on teaching methods with the focus on the purpose of Life Orientation: "Equipping learners with knowledge, skills and values for self fulfillment and meaningful participation in society as citizens of a free country." In addition to the 3rd year, "Skills to assist youth in crisis", the focus will be on the risk factors that may occur or surface in the school and community that the Life Orientation teacher may need to address pro-actively and/or reactively through educational, skills development and the setting of values within the school and community.

Life orientation education 710 (JLO 710)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Teacher Education and Professional Development BEdHons Assessment and Quality Assurance in Education and Training BEdHons Teacher Education and Professional Development
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 1

Module content

The aim of this module is to develop skills, knowledge, values and attitudes that empower students to make informed decisions and to take appropriate actions in diverse educational contexts. Life orientation focuses on the self in society. As an educator it is important to realise that teaching and learning of skills, values and attitudes that occurs in the classroom must be linked to learners' everyday lives. This module aims to equip students to achieve their optimal intellectual, personal and emotional potential.

Life orientation education 733 (JLO 733)

Qualification	Postgraduate
Module credits	16.00
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 1

Module content

The aim of this module is to develop skills, knowledge, values and attitudes that empower students to make informed decisions and to take appropriate actions in diverse educational contexts. Life orientation focuses on the self in society. As an educator it is important to realise that teaching and learning of skills, values and attitudes that occurs in the classroom must be linked to learners' everyday lives. This module aims to equip students to achieve their optimal intellectual, personal and emotional potential.

Being, becoming and belonging 110 (JLP 110)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 1

Module content

This module focuses on young children's well-being and formation of identity and belonging. The well-being component of the module explores the physical, social and emotional well-being of young children, addressing different facets and indicators of well-being and factors that affect well-being in early childhood. The emotional well-being is addressed in terms of aspects such as feelings of happiness and excitement, and shyness and development of confidence. The identity and belonging component deals with young children's development of positive regard of who they are and strategies for making them feel valued, appreciated and respected as part of their respective societal/community groups.

Life skills programme 220 (JLP 220)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Foundation Phase Teaching BEd Foundation Phase Teaching
Prerequisites	No prerequisites.
Contact time	4 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Early Childhood Education
Period of presentation	Semester 2

Module content

Life skills is central to the holistic development of learners. It is concerned with the social, personal, intellectual, emotional and physical growth of learners, and with the way in which these are integrated. The module Life skills addresses the personal and social development of the child, as well as a Social studies component which addresses the child as citizen and the relationship between the child and its environment.

Life sciences education 310 (JLS 310)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 practicals per week, 1 lecture per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

This module helps develop an understanding of the scope and content of the Life Sciences school curriculum for the Further Education and Training Phase Grades 10 – 12. The module comprises knowledge on the nature of Life Sciences, the molecules of life, selected processes of life, including photosynthesis and respiration, eukaryotic tissues, eukaryotic organs and organ systems, biodiversity, evolution and ecology as it relates to the school curriculum.

Life Sciences education 410 (JLS 410)

Qualification	Undergraduate
Module credits	24.00
Prerequisites	May only be taken in the final year of study
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1 and Semester 2

Module content

This module helps develop an understanding of the scope and content of the Life Sciences school curriculum for the Further Education and Training Phase. The module comprises knowledge of the nature of Life Sciences, the molecules of life, selected processes of life, including photosynthesis and respiration, eukaryotic tissues, eukaryotic organs and organ systems, biodiversity, evolution and ecology as it relates to the school curriculum.

Methodology of E-learning 330 (JLT 330)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Intermediate Phase Teaching BEd Intermediate Phase Teaching
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

Computer literacy, information literacy, integration literacy. The use of computers in computer labs vs. classroom instruction. Evaluating of software and web sites for educational use. Computer security: risks and safeguards. Ethics and the information age. Models of online learning. Catering for different learning styles. Project based learning. Computer based assessment.

Methodology of Technologies in teaching 351 (JLT 351)

Qualification	Undergraduate

Module credits	6.00
Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

Computer literacy, information literacy, integration literacy. The use of computers in computer labs vs. classroom instruction. Evaluating of software and web sites for educational use. Computer security: risks and safeguards. Ethics and the information age. Models of online learning. Catering for different learning styles. Project based learning. Computer based assessment.

Mathematics education 312 (JLW 312)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

Statistics, analytical geometry, trigonometry, Euclidian geometry and measurement, and the associated mathematical reasoning and technological skills.

Mathematics education 410 (JLW 410)

Qualification	Undergraduate
Module credits	24.00
Prerequisites	May only be taken in the final year of study
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1 and Semester 2

Module content

Statistics, analytical geometry, trigonometry, Euclidian geometry and measurement, and the associated mathematical reasoning and technological skills.

Literacies in education 110 (JLZ 110)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	Afrikaans Home Language 60% or English Home Language 60% or English 1st Add Language 70%
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 1

Module content

The module is aimed at building on students' personal literacies and relating these to the types of literacy they need to study successfully at university. The primary focus is on academic reading abilities, including reading strategies, acquiring an academic vocabulary and learning to read important academic genres critically, such as examination papers and academic articles.

Literacies in education 111 (JLZ 111)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	Afrikaans Home Language 50% OR English Home Language 50% OR English 1st Add Language 60%
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 1

Module content

The module is aimed at building on students' personal literacies and relating these to the types of literacy they need to study successfully at university. The module focuses primarily on academic reading abilities, including reading strategies, acquiring an academic vocabulary and learning to read important academic genres critically, such as examination papers and academic articles. Additional support is provided through practical tasks and discussions.

Literacies in education 120 (JLZ 120)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	Afrikaans Home Language 60% OR English Home Language 60% OR English 1st Add Language 70%
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 2

Module content

The module focuses on producing academic texts. Students learn how to use different modes of writing, including description, discussion, cause and effect, explanation and argumentation. They learn how to plan, write and edit an academic essay using a process approach. Specific attention is paid to engaging with other authors, and referencing appropriately. The module also pays attention to formatting academic work and representing verbal information visually.

Literacies in education 121 (JLZ 121)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	Afrikaans Home Language 50% OR English Home Language 50% OR English 1st Add Language 60%
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 2

Module content

The module focuses on producing academic texts. Students learn how to use different modes of writing, including description, discussion, cause and effect, explanation and argumentation. They learn how to plan, write and edit an academic essay, using a process approach. Specific attention is paid to engaging with other authors, and referencing appropriately. The module also pays attention to formatting academic work and representing verbal information visually. Additional support is provided through practical tasks and discussions.

Literacies in education 150 (JLZ 150)

Qualification	Undergraduate
Module credits	6.00
Programmes	Higher Certificate Sport Science Education Higher Certificate Sport Science Education
Prerequisites	Admission to the relevant programme.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 2

Module content

The module focuses on producing academic texts. Students learn how to use different modes of writing, including description, discussion, cause and effect, explanation and argumentation. They learn how to plan, write and edit an academic essay using a process approach. Specific attention is paid to engaging with other authors, and referencing appropriately. The module also pays attention to formatting academic work and representing verbal information visually.

Literacies in education 151 (JLZ 151)

Qualification	Undergraduate
Module credits	6.00
Programmes	Higher Certificate Sport Science Education Higher Certificate Sport Science Education
Prerequisites	Afrikaans Home Language 50% or English Home Language 50% OR English 1st Add Language 60% Admission to the relevant programme.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 2

Module content

The module focuses on producing academic texts. Students learn how to use different modes of writing, including description, discussion, cause and effect, explanation and argumentation. They learn how to plan, write and edit an academic essay, using a process approach. Specific attention is paid to engaging with other authors, and referencing appropriately. The module also pays attention to formatting academic work and representing verbal information visually. Additional support is provided through practical tasks and discussions.

Literacies in education 300 (JLZ 300)

Qualification	Undergraduate
Module credits	12.00

Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	JLZ 110 and JLZ 120 OR JLZ 111 and JLZ 121 OR JLZ 100 OR JLZ 101
Contact time	2 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Humanities Education
Period of presentation	Year

Module content

This module aims to equip students with the necessary communicative and classroom literacies to succeed as a professional in the domain of teaching. Students will show evidence of understanding and being able to implement the theories and strategies underpinning spoken and written communication required within an education context. The development of a critical awareness of language as a non-neutral (biased) conveyor of meaning will also be fostered. An overview of the linguistic diversity encountered in most South African classrooms provides the prospective teacher with strategies for dealing more effectively with multilingualism in a culturally diverse pedagogical context. Students will also enrich their personal language profile by acquiring a functional knowledge of appropriate words and phrases in an African language with the view to facilitating classroom management.

Methodology of Afrikaans 200 (JMA 200)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	1 lecture per week
Language of tuition	Module is presented in Afrikaans
Department	Humanities Education
Period of presentation	Year

Module content

* This module is only presented in Afrikaans.

'n Deeglike inleidende oorsig oor die beginsels en praktyk van Afrikaansonderrig. Generiese leerinhoude ten opsigte van taalverwerwing word verbesonder deur die praktiese toepassing soos voorgeskryf deur die Nasionale Kurrikulumverklaringsdokumente. Studente behoort aan die einde van die module tersaaklike tekste te kan gebruik om voorbeeldlesse uit te werk.

Methodology of Afrikaans 300 (JMA 300)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 practicals per week, 1 lecture per week
Language of tuition	Module is presented in Afrikaans
Department	Humanities Education
Period of presentation	Semester 1

Module content

* This module is only presented in Afrikaans.

Die module bemagtig die student om die verskillende taalvaardighede in al die onderrigfases te kan beplan, aanbied en assesseer. Hierdie module gaan in detail op die onderrig van elk van die taalvaardighede in. Studente behoort ook na afloop van hierdie studie-eenheid in staat te wees om die verskillende taalvaardighede te kan integreer met die spesifieke genres (bv. Poësie, Prosa, Drama en Taal).

Methodology of Afrikaans 430 (JMA 430)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	May only be taken in the final year of study
Language of tuition	Module is presented in Afrikaans
Department	Humanities Education
Period of presentation	Semester 1 and Semester 2

Module content

Hierdie metodologiekursus volg op die JLL 330 modules en is 'n praktiese toepassing van die beginsels en praktyke van die onderrig van die vak Afrikaans. Die teoretiese grondslag versterk die student se insig en begrip ten opsigte van taalontwikkeling, sowel as die vermoë om optimale leergeleenthede in al die fases te kan beplan en te ontwerp. Die module sluit IKT in die klaskamer, asook 'n uitgebreide projek as deel van die semesterpunt, in.

Methodology of Afrikaans 451 (JMA 451)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.

Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Module is presented in Afrikaans
Department	Humanities Education
Period of presentation	Quarter 1

Module content

* This module is only presented in Afrikaans.

Klem word gelê op die bereiking van die voorgeskrewe leeruitkomste in die Nasionale Kurrikulumverklaringsdokumente . Afrikaansonderrig as huis- en addisionele taal soos in die nasionale kurrikulum vervat, word uitgelig. 'n Teoretiese grondslag word vasgelê vir die ontwerp en aanbied van lesse.

Methodology of Afrikaans 454 (JMA 454)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Module is presented in Afrikaans
Department	Humanities Education
Period of presentation	Quarter 4

Module content

* This module is only presented in Afrikaans.

Klem word gelê op die bereiking van die voorgeskrewe leeruitkomste in die Nasionale Kurrikulumverklaringsdokumente. Afrikaansonderrig as huis- en addisionele taal soos in die nasionale kurrikulum vervat, word uitgelig. 'n Teoretiese grondslag word vasgelê vir die ontwerp en aanbied van lesse.

Human movement studies and sport management 112 (JMB 112)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 1

Module content

The purposes of physical activities as well as theories and philosophies of movement are studied. In addition, the coaching of young athletes and the challenges facing the teacher as coach receive attention. The importance of planning as the first phase of sports management is emphasised.

Human movement studies and sport management 113 (JMB 113)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 practicals per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 1

Module content

In this module the student is required to master and apply basic swimming and life-saving techniques. Attention is also paid to motor skill development and games in the school context.

Human movement studies and sport management 114 (JMB 114)

Qualification	Undergraduate
Module credits	8.00
Programmes	Higher Certificate Sport Science Education Higher Certificate Sport Science Education
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 1

Module content

The purposes of physical activities as well as theories and philosophies of movement are studied. In addition, the coaching of young athletes and the challenges facing the teacher as coach receive attention. The importance of planning as the first phase of sports management is emphasised.

Human movement studies and sport management 115 (JMB 115)

Qualification	Undergraduate
Module credits	8.00

Prerequisites	No prerequisites.
Contact time	2 practicals per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 1

Module content

In this module the student is required to master and apply basic swimming and life-saving techniques. Attention is also paid to motor skill development and games in the school context.

Human movement studies and sport management 116 (JMB 116)

Qualification	Undergraduate
Module credits	8.00
Programmes	Higher Certificate Sport Science Education Higher Certificate Sport Science Education
Prerequisites	No prerequisites.
Contact time	Sport code dependent
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 1

Module content

In this module the student is required to master and apply own sport code techniques. Attention is also paid to motor skill development and games in the school context.

Human movement studies and sport management 122 (JMB 122)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 2

Module content

In this module students are introduced to the structure and functions of systems in the human body. The skeletal system and the muscular system receive primary attention. Additionally, students acquire knowledge and skills in management – particularly organizational skills in the sports context.

Human movement studies and sport management 123 (JMB 123)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 practicals per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 2

Module content

Skills and methods for hockey and mini hockey are taught and applied. In athletics the acquisition of skills in various track events receive attention.

Human movement studies 124 (JMB 124)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Foundation Phase Teaching BEd Foundation Phase Teaching
Prerequisites	No prerequisites.
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 2

Module content

The module equips the student to understand and participate in activities that promote movement and physical development. Creative movement on music to promote rhythm and dance patterns is part of the different ways that a learner use to explore different parts of the body. Different motor development is looked at– motor control, body awareness and perceptual motor abilities. Movement skills in early childhood development- use a combination of body parts, to loco mote, rotate, evaluate and balance, with or without equipment. The focus is on spatial perception, kinaesthetic perception, strength and stamina. It includes throwing and striking and rolling, bouncing and moving with a ball or similar equipment. Movement activities include games play to promote running, chasing and dodging are playing a part.

Human movement studies and sport management 125 (JMB 125)

Qualification	Undergraduate
Module credits	8.00
Programmes	Higher Certificate Sport Science Education Higher Certificate Sport Science Education
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 2

Module content

In this module students are introduced to the structure and functions of systems in the human body. The skeletal system and the muscular system receive primary attention. Additionally, students acquire knowledge and skills in management – particularly organizational skills in the sports context.

Human movement studies and sport management 126 (JMB 126)

Qualification	Undergraduate
Module credits	8.00
Prerequisites	No prerequisites.
Contact time	2 practicals per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 2

Module content

Skills and methods for hockey and mini hockey are taught and applied. In athletics the acquisition of skills in various track events receive attention.

Human movement studies and sport management 212 (JMB 212)

Qualification	Undergraduate
Module credits	10.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	JMB 112 and JMB 122
Contact time	2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education

Period of presentation	Semester 1

Module content

Recreational studies - demarcation and terminology. The importance and development of values for spending free time in a meaningful way in modern society. The importance of leading as a management function in Sport Management is emphasized. Special reference is made to communication, leadership and motivation.

Human movement studies and sport management 213 (JMB 213)

Qualification	Undergraduate
Module credits	10.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	JMB 113 and JMB 123
Contact time	2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 1

Module content

Water activities - mastering and practical execution of some swimming styles as well as life-saving skills. Motor skills - mastering of practical skills for the development of gymnastics, with and without adaptation of large apparatus.

Human movement studies and sport management 222 (JMB 222)

Qualification	Undergraduate
Module credits	10.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	JMB 112 and JMB 122
Contact time	2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 2

Module content

Sport injuries and posture deviations - demarcation and terminology. General principles for prevention and treatment of sport injuries. Posture development and the influence of proper habits in the development of a good posture. Identification and pathology of specific deviations. A theoretical and practical perspective on control as the final phase of the management process in sport to ensure the success of the management process is emphasised.

Human movement studies and sport management 223 (JMB 223)

Qualification	Undergraduate
Module credits	10.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	JMB 113 and JMB123
Contact time	2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 2

Module content

Ladies - dance: mastering of practical skills for dance design and creative dancing.
Men - soccer: mastering of basic skills and techniques of soccer .
Athletics: field events.

Human movement studies and sport management 312 (JMB 312)

Qualification	Undergraduate
Module credits	15.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	JMB 212 and JMB 222
Contact time	3 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 1

Module content

Effects of physical activities on the human body, energy sources, etc. Exercise and fitness factors, principles of gymnasium practice. Revision of general managerial principles (year 1-2). Specialisation in the legal principle of sport. Dealing with stress and conflict in the domain of Sport Management.

Human movement studies and sport management 313 (JMB 313)

Qualification	Undergraduate
Module credits	15.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	JMB 213 and JMB 223
Contact time	2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 1

Module content

Gymnastics. Mass sport: organisation and presentation. Dance for ladies who focus on cultural dance. Cricket for men who focus on basic cricket skills and cricket as sport.

Human movement studies and sport management 322 (JMB 322)

Qualification	Undergraduate
Module credits	15.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	JMB 212 and JMB 222
Contact time	3 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 2

Module content

The nature and essence of this discipline; different biomechanical aspects in sport e.g. balance, centre of gravity, laws of nature. Measurement and evaluation: Techniques in obtaining variables: mean deviations, standard deviations, curve types. Anthropometric measurement and the processing of that data. The nature and character of marketing with special reference to sport. The sociological basis of sport, a description of its nature and character.

Human movement studies and sport management 323 (JMB 323)

Qualification	Undergraduate
Module credits	15.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	JMB 213 and JMB 223

Contact time	2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 2

Module content

Motor skills in ladies netball, mini-netball and rugby for men. Motor skills for softball, mini-tennis and tennis.

Methodology of Design and technology 200 (JMC 200)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Year

Module content

An analysis of curriculum and policy documents for Design and Technology is done.
Lesson design in Design and Technology is addressed. The application of technology and media in the teaching of Design and Technology is covered.

Methodology of Design and Technology 201 (JMC 201)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Year

Module content

A thorough overview of the learning content with specific focus on practical application as prescribed by the National Curriculum Statement documents. Emphasis is placed on reaching the prescribed learning outcomes.

Methodology of Design and technology 330 (JMC 330)

Qualification	Undergraduate
Module credits	12.00

Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Year

Module content

Theoretical underpinnings of Design and technology, including concepts specific to Design and technology; teaching Design and technology in South Africa; assessment in Design and technology; reflective practice; analysis of curriculum and policy documents; instructional design.

Methodology of Design and technology 430 (JMC 430)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	May only be taken in the final year of study
Contact time	4 lectures per week S1 only Q1, 4 lectures per week S2 only Q4
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1 and Semester 2

Module content

Innovative and creative teaching and teaching skills in Design and technology; thematic planning; selection and use of multiple resources; assessment practices in Design and technology; communication skills and classroom management in Design and technology; teaching philosophy in Design and technology; reflective practice in Design and technology education.

Methodology of Design and technology 451 (JMC 451)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Quarter 1

Module content

Innovative and creative teaching skills in Design and Technology are dealt with. The following are also addressed: thematic planning; selection and use of multiple resources; assessment practices in Design and Technology; communication skills and classroom management in Design and Technology; and teaching philosophy in Design and Technology.

Methodology of Design and technology 454 (JMC 454)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Quarter 4

Module content

Reflection on teaching practice will be done as well as optimising of instruction. Technological pedagogical content knowledge (TPACK) will be dealt with.

Methodology of Economics 201 (JMD 201)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	1 lecture per week
Language of tuition	Afrikaans and English are used in one class
Department	Education Management and Policy Studies
Period of presentation	Year

Module content

Analysis of curriculum and practical application as prescribed in the national curriculum statement documents for Economics. Lesson design in Economics. Application of technology and media in Economics teaching.

Methodology of Accounting 203 (JMD 203)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	1 lecture per week

Language of tuition	Afrikaans and English are used in one class
Department	Education Management and Policy Studies
Period of presentation	Year

Module content

Analysis of curriculum and practical application as prescribed in the national curriculum statement documents for Accounting. Lesson design in Accounting. Application of technology and media in Accounting teaching.

Methodology of Business studies 205 (JMD 205)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	1 lecture per week
Language of tuition	Afrikaans and English are used in one class
Department	Education Management and Policy Studies
Period of presentation	Year

Module content

Analysis of curriculum and practical application as prescribed in the national curriculum statement documents for Business Studies. Lesson design in Business Studies. Application of technology and media in Business Studies teaching.

Methodology of Tourism 206 (JMD 206)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	1 lecture per week
Language of tuition	Afrikaans and English are used in one class
Department	Education Management and Policy Studies
Period of presentation	Year

Module content

Analysis of curriculum and practical application as prescribed in the national curriculum statement documents for Tourism. Lesson design in Tourism. Application of technology and media in Tourism teaching.

Methodology of Economics 301 (JMD 301)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	1 lecture per week, 2 practicals per week
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Semester 1

Module content

Theoretical underpinnings and concepts specific to the field of Economics teaching in South Africa. Best practices, instructional design, assessment and reflective practice in Economics teaching.

Methodology of Accounting 303 (JMD 303)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	1 lecture per week, 2 practicals per week
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Semester 2

Module content

Theoretical underpinnings and concepts specific to the field of Accounting teaching in South Africa. Best practices, instructional design, assessment and reflective practice in Accounting teaching.

Methodology of Business studies 305 (JMD 305)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 practicals per week, 1 lecture per week
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies

Period of presentation	Semester 2

Module content

Theoretical underpinnings and concepts specific to the field of Business Studies teaching in South Africa. Best practices, instructional design, assessment and reflective practice in Business Studies teaching.

Methodology of Tourism 306 (JMD 306)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 practicals per week, 1 lecture per week
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Semester 1

Module content

Theoretical underpinnings and concepts specific to the field of Tourism teaching in South Africa. Best practices, instructional design, assessment and reflective practice in Tourism teaching.

Methodology of Economics 331 (JMD 331)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Education Management and Policy Studies
Period of presentation	Semester 1

Module content

Theoretical underpinnings of Economics; concepts specific to Economics; teaching Economics in South Africa; assessment in Economics; reflective practice; analysis of curriculum and policy documents ; instructional design.

Methodology of Accounting 333 (JMD 333)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week

Language of tuition	Afrikaans and English are used in one class
Department	Education Management and Policy Studies
Period of presentation	Semester 1

Module content

Theoretical underpinnings of Accounting; concepts specific to Accounting; teaching Accounting in South Africa; assessment in Accounting; reflective practice; analysis of curriculum and policy documents ; instructional design.

Methodology of Business management 335 (JMD 335)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Education Management and Policy Studies
Period of presentation	Semester 2

Module content

Theoretical underpinnings of Business management; concepts specific to Business management; teaching Business management in South Africa; assessment in Business management; reflective practice; analysis of curriculum and policy documents ; instructional design.

Methodology of Tourism 336 (JMD 336)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Education Management and Policy Studies
Period of presentation	Semester 1

Module content

Theoretical underpinnings of Tourism; concepts specific to teaching Tourism in South Africa; assessment in Tourism; reflective practice; analysis of curriculum and policy documents; instructional design.

Methodology of Learning support 351 (JMD 351)

Qualification	Undergraduate
Module credits	6.00

Programmes	BEd Foundation Phase Teaching BEd Foundation Phase Teaching
Prerequisites	No prerequisites.
Contact time	2 lectures per week, Community Engagement
Language of tuition	Separate classes for Afrikaans and English
Department	Early Childhood Education
Period of presentation	Semester 1

Module content

This module will focus on the learning readiness of the school beginner, including physical, intellectual, perceptual, emotional and social readiness, as well as the learning difficulties that might occur due to a lack of learning readiness.
The knowledge and skills obtained will prepare the student for JLD 400 where the focus will be on early identification of learning difficulties and intervention in the Foundation Phase.

Methodology of Economics 431 (JMD 431)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	May only be taken in the final year of study
Contact time	4 lectures per week S1 only Q1, 4 lectures per week S2 only Q4
Language of tuition	Afrikaans and English are used in one class
Department	Education Management and Policy Studies
Period of presentation	Semester 1 and Semester 2

Module content

Theoretical underpinnings of Economics; concepts specific to Economics; teaching Economics in South Africa; assessment in Economics; reflective practice, analysis of curriculum and policy document; and instructional design in Economics.

Methodology of Accounting 433 (JMD 433)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	May only be taken in the final year of study
Contact time	4 lectures per week S1 only Q1, 4 lectures per week S2 only Q4
Language of tuition	Afrikaans and English are used in one class
Department	Education Management and Policy Studies
Period of presentation	Semester 1 and Semester 2

Module content

Theoretical underpinnings of Accounting; concepts specific to Accounting; teaching Accounting in South Africa; assessment in Accounting; reflective practices; analysis of curriculum and policy documents and instructional design .

Methodology of Business management 435 (JMD 435)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	May only be taken in the final year of study
Contact time	4 lectures per week S1 only Q1, 4 lectures per week S2 only Q4
Language of tuition	Afrikaans and English are used in one class
Department	Education Management and Policy Studies
Period of presentation	Semester 1 and Semester 2

Module content

Theoretical underpinnings of Business management; concepts specific to Business management; teaching Business management in South Africa; assessment in Business Management; reflective practices; analysis of curriculum and policy documents; instructional design .

Methodology of Tourism 436 (JMD 436)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	May only be taken in the final year of study
Contact time	4 lectures per week S2 only Q4, 4 lectures per week S1 only Q1
Language of tuition	Afrikaans and English are used in one class
Department	Education Management and Policy Studies
Period of presentation	Semester 1 and Semester 2

Module content

Theoretical underpinnings of Tourism; concepts specific to teaching Tourism in South Africa; assessment in Tourism; reflective practices; analysis of curriculum and policy documents; instructional design .

Methodology of Economics 451 (JMD 451)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class

Department	Education Management and Policy Studies
Period of presentation	Quarter 1

Module content

Innovative teaching methods and teaching skills in Economics. Thematic planning, selection and use of multiple resources in the teaching of Economics. Assessment practices; communication skills and classroom management. Teaching philosophy and reflective practice in the teaching of Economics.

Methodology of Accounting 453 (JMD 453)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Education Management and Policy Studies
Period of presentation	Quarter 1

Module content

Innovative teaching methods and teaching skills in Accounting. Thematic planning, selection and use of multiple resources in the teaching of Accounting. Assessment practices; communication skills and classroom management. Teaching philosophy and reflective practice in the teaching of Accounting.

Methodology of Business studies 455 (JMD 455)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Education Management and Policy Studies
Period of presentation	Quarter 1

Module content

Innovative teaching methods and teaching skills in Business Studies. Thematic planning, selection and use of multiple resources in the teaching of Business Studies. Assessment practices; communication skills and classroom management. Teaching philosophy and reflective practice in the teaching of Business Studies.

Methodology of Tourism 456 (JMD 456)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Education Management and Policy Studies
Period of presentation	Quarter 1

Module content

Innovative teaching methods and teaching skills in Tourism. Thematic planning, selection and use of multiple resources in the teaching of Tourism. Assessment practices; communication skills and classroom management. Teaching philosophy and reflective practices.

Methodology of Economics 461 (JMD 461)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week, 2 practicals per week
Department	Education Management and Policy Studies
Period of presentation	Quarter 4

Module content

Innovative teaching methods and teaching skills in Economics Thematic planning, selection and use of multiple resources in the teaching of Economics. Assessment practices; communication skills and classroom management . Teaching philosophy and reflective practices.

Methodology of Accounting 463 (JMD 463)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week, 2 practicals per week
Department	Education Management and Policy Studies
Period of presentation	Quarter 4

Module content

Innovative teaching methods and teaching skills in Accounting. Thematic planning, selection and use of multiple resources in the teaching of Accounting. Assessment practices; communication skills and classroom management . Teaching philosophy and reflective practices.

Methodology of Business studies 465 (JMD 465)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week, 2 practicals per week
Department	Education Management and Policy Studies
Period of presentation	Quarter 4

Module content

Innovative teaching methods and teaching skills in Business Studies. Thematic planning, selection and use of multiple resources in the teaching of Business Studies. Assessment practices; communication skills and classroom management.Teaching philosophy and reflective practices.

Methodology of Tourism 466 (JMD 466)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Education Management and Policy Studies
Period of presentation	Quarter 4

Module content

Innovative teaching methods and teaching skills in Tourism Thematic planning, selection and use of multiple resources in the teaching of Tourism. Assessment practices; communication skills and classroom management . Teaching philosophy and reflective practices.

Methodology of English 200 (JME 200)

Qualification	Undergraduate
Module credits	6.00

Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

This module introduces the principles and practice of teaching and learning English as a home or an additional language. A theoretical underpinning strengthens students' understanding of language development. Students are also guided in the theory of instructional design as they practise planning, designing and presenting optimal learning opportunities. Students are familiarised with the principles contained in the NCS and CAPS.

Methodology of English first additional language 210 (JME 210)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Intermediate Phase Teaching BEd Intermediate Phase Teaching
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 1

Module content

This module aims to introduce students to the use of learning and teaching support materials, teaching and learning strategies as well as required assessment strategies and approaches for the teaching of English as a First Additional Language subject, in the Intermediate Phase. The module comprises a wide range of instructional activities dealing with listening to stories, reading, writing and spelling. It introduces students to CAPS and works through the four broad strands dealing with the methodologies of listening and speaking (Oral), reading, and viewing (using relevant vocabulary), writing and presenting (writing sentences and connecting words), and language structures and conventions.

Methodology of English 300 (JME 300)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching

Prerequisites	No prerequisites.
Contact time	1 lecture per week, 2 practicals per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 2

Module content

This module follows progressively on JME 200 and pays in-depth attention to the practical aspects of teaching and assessing expressive and receptive communicative skills in accordance with national policy documents. A sound understanding of lesson planning based on constructive alignment is evidenced by a comprehensive portfolio.

Methodology of English 430 (JME 430)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	May only be taken in the final year of study
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 1 and Semester 2

Module content

This methodology course follows on the JLL 330 module and focuses on the practical application of the principles and practices of teaching the subject English. A theoretical underpinning strengthens students' understanding of language development as well as their ability to plan and design optimal learning opportunities across phases. The module includes ICT in the classroom with an extended project as part of the semester mark.

Methodology of English 451 (JME 451)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Quarter 1

Module content

This module builds progressively on previously acquired knowledge and skills obtained in JPS 121, JME 200 and JME 300. This knowledge and skills are progressively applied in the methodologies (JME 200, 300 and 451/454). The module offers a thorough overview of the learning content with specific focus on practical application as prescribed by the National Curriculum Statement Documents. It focuses on developing learning experiences for the four language skills, namely listening, speaking, reading and writing, as well as language structure and grammar. Designing of lessons and learning and teaching support materials (LTSM) are developed. Various teaching styles and paradigmatic orientations relevant to the learning experience are dealt with.

Methodology of English 454 (JME 454)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Quarter 4

Module content

The module is a continuation of the principles and practices of teaching and learning in the English classroom. Further development of planning learning experiences for the four language skills, namely listening, speaking, reading and writing, as well as language structure and grammar is focused on, based on the principles of inquiry-led learning, blended learning and constructive alignment. Designing of lessons and learning and teaching support materials (LTSM) are developed, with a strong focus on technology and e-learning. Various teaching styles relevant to the learning experience are dealt with.

Methodology of Religion studies 200 (JMF 200)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	1 lecture per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Year

Module content

A thorough overview of the learning content with specific focus on practical application as prescribed by the National Curriculum Statement documents. Emphasis is placed on reaching the prescribed learning outcomes.

Methodology of Religion studies 300 (JMF 300)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 1

Module content

As required by the National Curriculum.

Methodology of Foreign Languages 401 (JMF 401)

Qualification	Postgraduate
Module credits	20.00
Contact time	60 lectures per year, 12 tutorials per year
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Year

Module content

Foreign Language teaching is a unique specialization that offers the specific language at either home language, first additional language or second additional language entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Methodology of Religion studies 451 (JMF 451)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.

Contact time	2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Quarter 1

Module content

A thorough overview of the learning content with specific focus on practical application as prescribed by the National Curriculum Statement documents. Emphasis is placed on reaching the prescribed learning outcomes.

Methodology of Religion studies 454 (JMF 454)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Quarter 4

Module content

This module aims to equip students to successfully present Religion Studies in the Senior and/or Further Education and Training Phase. The theoretical underpinning of the content of the syllabus as well as the requirements expected to guide learners studying Religion Studies as subject are studied. Students are expected to prepare phase specific teaching activities according to the requirements of the school syllabus for the phase in which they are enrolled to prepare them for their role as teachers of Religion Studies. Students present lessons through micro-teaching and apply appropriate assessment and questioning; present an assignment and apply previously acquired communication skills in the teaching of Religion Studies.

Methodology of Geography 200 (JMG 200)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	1 lecture per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Year

Module content

An intensive study of the 2012 Curriculum and Assessment Policy (CAPS) relating to the teaching of Geography to learners in the FET-, Senior- and Intermediate Learning Phases. The following aspects are addressed: The long-, medium- and short term planning of learning activities, the design of sensible learning activities, assessment, the effective use of teaching media as well as the preparation and presentation of mini lessons with a duration of 18 minutes.

Methodology of Geography 300 (JMG 300)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 practicals per week, 1 lecture per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 1

Module content

An in-depth study of the effective use of teaching media, the construction of models, the explanation and teaching of problematic theoretical and practical Geographic concepts, practical work, the implementation of GIS in the teaching of Geography, the design of sensible class and homework activities, assessment, the art of lesson presentation and the preparation and presentation of 18 minute duration mini-lessons.

Methodology of Geography 330 (JMG 330)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 1

Module content

The planning, preparation, assessment and presentation of subject content in Geography to Grade 10, 11 and 12 Learners, based on the 2012 Curriculum and Assessment Policy (CAPS.)

Methodology of Geography 430 (JMG 430)

Qualification	Undergraduate
Module credits	12.00

Prerequisites	May only be taken in the final year of study
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 1 and Semester 2

Module content

The planning, preparation, assessment and presentation of subject content in Geography to Grade 10, 11 and 12 learners, based on the 2012 Curriculum and Assessment Policy (CAPS).

Methodology of Geography 451 (JMG 451)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Quarter 1

Module content

The art of lesson presentation and the preparation and presentation of 18 minute duration mini-lessons (to be continued from the end of the Third Year of study).

Methodology of Geography 454 (JMG 454)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Quarter 4

Module content

After the Internship during the Second Semester: Reflection on Internship, school textbook evaluation, applied project work and fieldwork.

Methodology of History 200 (JMH 200)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	1 lecture per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Year

Module content

This module aims to apply the NCS and CAPS documents in order for students to teach the subject History. Students synthesise and analyse the content in the History curriculum and are equipped to create new methods of teaching to enhance learning in this subject, as well as to conduct assessment in all its aspects as prescribed by the CAPS document for the relevant phases. Themes are, among others, trends in International and South African Historiography; authentic and alternative assessment; selected themes from the prescribed textbook; teaching strategies: worksheets, assignments, games and simulations; using newspapers in the classroom.

Methodology of History 300 (JMH 300)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 practicals per week, 1 lecture per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 1

Module content

The module is aimed at equipping students to successfully present History as prescribed in the NCS and CAPS for History. Students will study the theoretical underpinning of historical writing, content of the syllabus and how to address it, as well as the requirements expected of learners qualifying for the FET-examinations in History. Students are expected to prepare teaching activities according to the requirements of the school syllabus to prepare them for their role as teachers of history. Students present lessons through micro-teaching and apply appropriate assessment and questioning; study the use of cartoons in questioning in this phase; apply cross-curriculation in lesson planning; set a Heritage assignment; plan and prepare for a History excursion and apply previously acquired communication skills in the teaching of History.

Methodology of History 330 (JMH 330)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 1

Module content

Orientation: in-depth study of the CAPS-document relating to History in the Intermediate, Senior and FET-phases.
The planning, preparation, presentation and assessment of learning material to be used in the classroom when teaching History for the Intermediate, Senior and FET- phases. Planning assessment opportunities according to the set requirements of the CAPS-document.

Methodology of History 430 (JMH 430)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	May only be taken in the final year of study
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 1 and Semester 2

Module content

Continuation and follow-up on work done in the third year Methodology of History. Presentation of lesson opportunities accompanied by self-, peer- and lecturer assessment. Remedial work on problems that students experience, as well as mistakes identified when presenting History lessons.

Methodology of History 451 (JMH 451)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Quarter 1

Module content

This module aims to equip students to successfully present History in the Senior and/or Further Education and Training Phase. The theoretical underpinning of historical writing, content of the syllabus as well as the requirements expected to guide learners studying History as subject are studied. Students are expected to prepare phase specific teaching activities according to the requirements of the school syllabus for the phase in which they are enrolled to prepare them for their role as teachers of history. Students present lessons through micro-teaching and apply appropriate assessment and questioning; present an oral history assignment and apply previously acquired communication skills in the teaching of History.

Methodology of History 454 (JMH 454)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Quarter 4

Module content

This module aims to equip students to successfully present History in the Senior and/or Further Education and Training Phase. The theoretical underpinning of historical writing, content of the syllabus as well as the requirements expected to guide learners studying History as subject are studied. Students are expected to prepare phase specific teaching activities according to the requirements of the school syllabus for the phase in which they are enrolled to prepare them for their role as teachers of history. Students present lessons through micro-teaching and apply appropriate assessment and questioning; present an oral history assignment and apply previously acquired communication skills in the teaching of History.

Methodology of Computer application technology 300 (JMI 300)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Language of tuition	Separate classes for Afrikaans and English
Department	Science Mathematics and Technology Education
Period of presentation	Year

Module content

The module builds progressively on previous acquired knowledge and skills obtained in JMI 200. Students analyse the content of the CAT grade 10 and 11 curriculum and are familiarised with the principles contained in the NCS and CAPS. Students learn principles of classroom management and practice and draw up their own question papers, memoranda and rubrics for assessment. Students apply the principles of backward design in designing outcomes according to Bloom's levels, plan for assessment strategies and teaching. Students use learner management systems in their planning of activities for grade 10's and 11's.

Methodology of Computer application technology 330 (JMI 330)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Language of tuition	Separate classes for Afrikaans and English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Theoretical underpinnings of CAT; concepts specific to CAT; teaching CAT in South Africa; assessment in CAT; reflective practice in CAT; analysis of curriculum and policy documents in CAT; instructional design in CAT; CAT management; CAT community of practice.

Methodology of Computer applications technology 430 (JMI 430)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	May only be taken during the final year of study
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1 and Semester 2

Module content

Innovative and creative teaching and teaching skills in Computer applications technology (CAT); thematic planning; selection and use of multiple resources in CAT; assessment practices in CAT; communication skills in CAT; teaching philosophy and reflective practices in CAT; classroom management in CAT and community of practice.

Methodology of Computer application technology 451 (JMI 451)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching

Prerequisites	RTT 330 and RTT 340
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Quarter 1

Module content

The module builds progressively on previous acquired knowledge and skills obtained in JMI 200 and 300. Students are guided in the theory of instructional design as they practise planning, designing and presenting optimal learning opportunities. Students are familiarised with the principles contained in the NCS and CAPS. Students analyse the content of the CAT grade 12 curriculum and learn how to use teacher-directed and learner-centred methods to improve learning, they create teaching media, and apply all forms of assessment as prescribed in the CAPS.

Methodology of Computer application technology 454 (JMI 454)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Quarter 4

Module content

The module builds progressively on previous acquired knowledge and skills obtained in JMI 200 and 300. Students are guided in the theory of instructional design as they practise planning, designing and presenting optimal learning opportunities. Students are familiarised with the principles contained in the NCS and CAPS. Students analyse the content of the CAT grade 12 curriculum and learn how to use teacher-directed and learner-centred methods to improve learning, they create teaching media, and apply all forms of assessment as prescribed in the CAPS.

Methodology of Art education 201 (JMK 201)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	1 lecture per week

Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Year

Module content

A thorough overview of the learning content with specific focus on practical application as prescribed by the National Curriculum Statement documents. Emphasis is placed on reaching the prescribed learning outcomes.

Methodology of Art education 301 (JMK 301)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	1 lecture per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 1

Module content

The focus of this module is on a deeper theoretical and practical understanding and knowledge of the subject matter relating to the visual art discipline. Emphasis is placed on effectively collecting, analysing, organising and critically evaluating contemporary visual culture, as well as the creative process as stipulated by the Curriculum and Assessment Policy Statement (CAPS).

Methodology of Art education 330 (JMK 330)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 1

Module content

The focus in this learning area is on a theoretical and practical knowledge of the subject matter relating to the specific subject discipline, as well as on effectively collecting, analysing, organising and critically evaluating the creative process stipulated by the Curriculum and Assessment Policy Statement (CAPS) and policy documents. The module enables students to teach subject matter responsibly and effectively as successful educators, by using problem statement, planning and presentation skills.

Methodology of Art education 430 (JMK 430)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	May only be taken in the final year of study
Contact time	4 lectures per week S1 only Q1, 4 lectures per week S2 only Q4
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 1 and Semester 2

Module content

The focus in this module is on a theoretical and practical knowledge of the subject matter relating to the specific subject discipline, as well as on the effective collecting, analysis, organisation and critical evaluation of the creative process as stipulated in the Curriculum and Assessment Policy Statement (CAPS) and policy documents. This module enables students to teach subject matter responsibly and effectively as successful educators, by applying problem statement, planning and presentation skills.

Methodology of Art education 451 (JMK 451)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Quarter 1

Module content

This module provides an advanced understanding of the visual arts discipline in the different phases as stipulated by the Curriculum and Assessment Policy Statement (CAPS). Furthermore, these modules enable students to teach the visual art subject matter responsibly and effectively as successful art educators. Students are expected to identify a problem, plan and present their research, as well as explore art classroom management and learner needs.

Methodology of Art education 454 (JMK 454)

Qualification	Undergraduate
Module credits	3.00

Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Quarter 4

Module content

This module provides an advanced understanding of the visual arts discipline in the different phases as stipulated in the Curriculum and Assessment Policy Statement (CAPS). Furthermore, these modules enable students to teach the visual art subject matter responsibly and effectively as successful art educators. Students are expected to identify a problem, plan and present their research, as well as explore art classroom management and learner needs.

Methodology of Life Orientation and Physical Education 201 (JML 201)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	1 lecture per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Year

Module content

To guide students to develop skills, knowledge and attitudes with specific reference to the National Curriculum and Policy Statement (CAPS) and Physical Education as a topic of Life Orientation. To equip the student teacher with the knowledge and skills to maintain themselves in managing, developing and organising Physical Education activities as prescribed for specific phases. The student teacher is trained further in the CAPS document relating to Life Orientation, and learns how to plan lessons based on this document.

Methodology of Life Orientation and Physical Education 301 (JML 301)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	1 lecture per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class

Department	Humanities Education
Period of presentation	Semester 2

Module content

This module consists of theoretical as well as practical components. It strives to equip student teachers with knowledge, skills and attitude to maintain themselves in the practical execution of sport management, organization and control in a school environment as well as in classroom management and leadership in general. Managerial skills and the characteristics of the effective Life Orientation teacher are also addressed. In the second semester focus is on classroom practice, differentiation and assessment of physical education activities and learning activities for different ages.

Methodology of Human movement studies and sport management 330 (JML 330)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 2

Module content

A thorough overview of learning content with specific focus on practical application as prescribed by the National curriculum Statement Documents. Emphasis is laid on reaching the learning outcomes for Human Movement development in practice by making use of principles as prescribed.

Methodology of Human movement studies and sport management 430 (JML 430)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	May only be taken in the final year of study
Contact time	4 lectures per week S1 only Q1, 4 lectures per week S2 only Q4
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 1 and Semester 2

Module content

A thorough overview of learning content with specific focus on practical application as prescribed by the National Curriculum Statement documents. Emphasis is placed on the achievement of learning outcomes for Human movement development in practice by making use of the principles as prescribed.

Methodology of Life Orientation and Physical Education 461 (JML 461)

Qualification	Undergraduate

Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Quarter 1

Module content

This module addresses the practical application of teaching skills, planning and presenting of Physical Education lessons as topic of Life Orientation (presentation of micro-lessons).
Themes include:

- ? Exploring a meta-cognitive approach in teaching and learning
- ? The LO teacher as educator (including overcoming challenges innovatively)
- ? The LO teacher as counsellor (including eco-systemic approaches)
- ? Development of the self in society
- ? Health, social and environmental responsibility
- ? Constitutional rights and responsibilities
- ? Physical education
- ? Study skills

Methodology of Life Orientation and Physical Education 464 (JML 464)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Quarter 4

Module content

On attainment of the learning outcomes students demonstrates their knowledge and understanding of the theory to be applied in all practical sport and movement development situations as prescribed by the National Curriculum and Assessment policy statement in a school environment. Particular attention is given to metacognitive skills development of the students in order to empower them for their teaching tasks, as well as to enable them to engender these metacognitive skills in their learners.

Methodology of Music education 200 (JMM 200)

Qualification	Undergraduate

Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	1 lecture per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Year

Module content

A holistic approach to Music Education as part of the Learning area Creative Arts is followed where the integration of different art forms is incorporated. The focus in this module is on active involvement in music making (music activities) providing opportunities for learners to develop their music skills as well as music theoretical knowledge (music concepts). The school-based activities offer opportunities for practical experience.

Methodology of Music education 300 (JMM 300)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 practicals per week, 1 lecture per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 1

Module content

A study of the theoretical and practical aspects of choral conducting and stage productions. It builds on previously acquired knowledge and skills obtained. Music serves as primary focus, but the integration of other art forms is also included.

Methodology of Music education 330 (JMM 330)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Afrikaans and English are used in one class

Department	Humanities Education
Period of presentation	Semester 1

Module content

This module builds on previously acquired knowledge and skills obtained in JMO 220. The music knowledge and skills in JMO 220 and JMO 309 are progressively applied in the methodologies (JMM 330 and JMM 451). The module offers a thorough overview of the learning content with specific focus on practical application as prescribed by the National Curriculum Statement Documents. Emphasis is laid on reaching the prescribed learning outcomes. In this module students are equipped with the necessary knowledge, skills, values and attitude needed to apply in practice and to develop and enhance the inherent musicality of all learners. Since Music Education is based on sound and active involvement in music, this module focuses on the methodology of performance based activities. The methodology of music education and choral conducting is integrated.

Methodology of Music education 430 (JMM 430)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	May only be taken in the final year of study
Contact time	4 lectures per week S2 only Q4, 4 lectures per week S1 only Q1
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 1 and Semester 2

Module content

The music knowledge and skills of Music education in the second and third years of study are progressively applied in the methodologies (JMM 330 and JMM 430). The module offers a thorough overview of the learning content with specific focus on practical application as prescribed by the National Curriculum Statement Documents. Emphasis is placed on achieving the prescribed learning outcomes. In this module students are equipped with the necessary knowledge, skills, values and attitudes required for the practical application of music and to develop and enhance the inherent musicality of learners. Music serves as primary focus, but the integration of dance and drama is also included. Since Music education is based on sound and active involvement in music, this module focuses on the methodology of performance based activities. The methodology of music education and music production is integrated.

Methodology of Music education 451 (JMM 451)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 lectures per week, 2 practicals per week

Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Quarter 1

Module content

Students are equipped with the necessary knowledge, skills, values and attitude needed to apply in practice and to develop and enhance the inherent musicality of all learners. This module builds on previously acquired knowledge and skills which are progressively applied in the methodologies. Music serves as primary focus, but the integration of other art forms is also included.

Methodology of Music education 454 (JMM 454)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Quarter 4

Module content

An application of previous academic knowledge and practical skills towards a stage production. The focus is on a community based project.

Methodology of Sciences 203 (JMN 203)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Year

Module content

A thorough overview of the learning content with specific focus on practical application as prescribed by the National Curriculum Statement documents. Emphasis is placed on reaching the prescribed learning outcomes.

Methodology of Natural science 204 (JMN 204)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Intermediate Phase Teaching BEd Intermediate Phase Teaching
Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Year

Module content

A thorough overview of the learning content with specific focus on practical application as prescribed by the National Curriculum Statement documents. Emphasis is placed on reaching the prescribed learning outcomes.

Methodology of Life science 208 (JMN 208)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Year

Module content

Analysis of curriculum and policy documents for Life Sciences. Lesson design, and the application of technology and media in the teaching of Life Sciences.

Methodology of Physical sciences 209 (JMN 209)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Year

Module content

Analysis of curriculum and policy documents for Physical sciences. Lesson design and application of technology and media in teaching Physical sciences.

Methodology of Natural science 304 (JMN 304)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 practicals per week, 1 lecture per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

Theoretical underpinnings and concepts specific to the field of Natural Science teaching in South Africa.. Best practices, instructional design, assessment and reflective practice in Natural Science teaching.

Methodology of Life sciences 308 (JMN 308)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 practicals per week, 1 lecture per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Theoretical underpinnings and concepts specific to the field of Life Sciences including conceptual change and concepts specific to the field of Life Sciences. Teaching Life Sciences in South Africa. Instructional design, assessment and reflective practice in teaching Life Sciences. Best practices.

Methodology of Physical sciences 309 (JMN 309)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.

Contact time	2 practicals per week, 1 lecture per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Edu
Period of presentation	Semester 2

Module content

Theoretical underpinnings and concepts specific to the field of Physical science teaching in South Africa. Best practices, instructional design, assessment and reflective practice in Physical science teaching.

Methodology of Natural science 330 (JMN 330)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

Theoretical underpinnings of Natural science; concepts specific to Natural science; teaching Natural science in South Africa; assessment in Natural science; reflective practice; analysis of curriculum and policy documents; instructional design.

Methodology of Life sciences 332 (JMN 332)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Theoretical underpinnings of Life sciences including conceptual change and concepts specific to the field of Life sciences; teaching Life Sciences in South Africa; assessment in Life Sciences; reflective practice; analysis of curriculum and policy documents; instructional design.

Methodology of Physics and Chemistry 333 (JMN 333)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.

Contact time	2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Theoretical underpinnings of Physics and Chemistry, concepts specific to Physics and Chemistry; teaching Physics and Chemistry in the South African context; assessment in Physics and Chemistry in the FET phase; reflective practice in Physics and Chemistry education; analysis of curriculum and policy documents; lesson and activity design in Physics and Chemistry teaching.

Methodology of Life sciences 432 (JMN 432)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	May only be taken in the final year of study
Contact time	4 lectures per week S1 only Q1, 4 lectures per week S2 only Q4
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

Innovative and creative teaching methods and teaching skills; thematic planning; selection and use of multiple resources in Life Sciences; assessment practices; communication skills; classroom management; teaching philosophy in Life Sciences; reflective practices.

Methodology of Physics and Chemistry 433 (JMN 433)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	May only be taken in the final year of study
Contact time	4 lectures per week S2 only Q4, 4 lectures per week S1 only Q1
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1 and Semester 2

Module content

Innovative and creative teaching and teaching skills in Physics and Chemistry; thematic planning; selection and use of multiple resources in Physics and Chemistry; teaching philosophy in Physics and Chemistry; reflective practices in Physics and Chemistry education.

Methodology of Natural Science 434 (JMN 434)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	May only be taken in the final year of study
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1 and Semester 2

Module content

Innovative and creative teaching and teaching skills in Natural Science; thematic planning; selection and use of multiple resources in Natural Science; assessment practices in Natural Science; communication skills and classroom management in Natural Science; teaching philosophy in Natural Science; reflective practices in Natural Science.

Methodology of Natural science 451 (JMN 451)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 practicals per week, 1 lecture per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Quarter 1

Module content

Innovative teaching methods and teaching skills in Natural Science. Thematic planning, selection and use of multiple resources in Natural Science. Assessment practices; communication skills and classroom management in Natural Science. Teaching philosophy and reflective practices in Natural Science.

Methodology of Life sciences 452 (JMN 452)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class

Department	Science Mathematics and Technology Education
Period of presentation	Quarter 4

Module content

Innovative and creative teaching and teaching skills. Thematic planning, selection and use of multiple resources in Life Sciences. Assessment practices.

Methodology of Physical sciences 453 (JMN 453)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Quarter 1

Module content

Innovative and creative teaching methods and teaching skills in Physical sciences; thematic planning; selection and use of multiple resources in Physical sciences; assessment practices; communication skills and classroom management in Physical sciences teaching. Pedagogical content knowledge.

Methodology of Natural science 454 (JMN 454)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 practicals per week, 1 lecture per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Quarter 4

Module content

Innovative teaching methods and teaching skills in Natural Science. Thematic planning, selection and use of multiple resources in Natural Science. Assessment practices; communication skills and classroom management in Natural Science. Teaching philosophy and reflective practices in Natural Science.

Methodology of Physical sciences 456 (JMN 456)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Quarter 4

Module content

Reflective practices and misconceptions in Physical sciences. Pedagogical content knowledge.

Methodology of Life sciences 458 (JMN 458)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Quarter 1

Module content

A thorough overview of the learning content with specific focus on practical application as prescribed by the National Curriculum documents. Emphasis is placed on reaching the prescribed learning outcomes.

Music education 101 (JMO 101)

Qualification	Undergraduate
Module credits	16.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week
Language of tuition	Module is presented in English

Department	Humanities Education
Period of presentation	Year

Module content

To offer students an opportunity to develop their existing music theoretical knowledge to provide them with the requirements needed for the music modules in the following years.

Music education 102 (JMO 102)

Qualification	Undergraduate
Module credits	8.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 practicals per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

To offer students musical skills and development with the focus on instrumental and vocal progress. Accompaniment and the performance of concert compositions are included.

Music education 181 (JMO 181)

Qualification	Undergraduate
Module credits	16.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

To equip students to specialize in music theory and who have no, or limited previous music training. It is a music course with elementary music theory knowledge.

Music education 182 (JMO 182)

Qualification	Undergraduate
Module credits	8.00

Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 practicals per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

To equip students to specialize in practical music skills and who have no, or limited previous music training. It is a music course with elementary practical music skills and fundamental knowledge.

Music education 201 (JMO 201)

Qualification	Undergraduate
Module credits	8.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

To build on the knowledge of music theory obtained in the previous year to provide them with the requirements needed for the music modules in the following years.

Music education 202 (JMO 202)

Qualification	Undergraduate
Module credits	8.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

This module offers further development of technical aspects and musical development with the focus on instrumental and vocal progress. Accompaniment and the performance of concert compositions are included.

Music education 203 (JMO 203)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 practicals per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

To equip students with the necessary knowledge, skills, values and attitudes needed to apply the principles of Music Education in practice and to develop and enhance the inherent musicality of all learners. A holistic approach to Music Education is followed, based on the Curriculum and assessment policy statement (CAPS) and its application to Music Education within the Creative Arts. The focus in this module is on active involvement in music making (music activities) including instrumental accompaniment. Opportunities are provided to develop students' music skills as well as music theoretical knowledge (music concepts).

Music education 204 (JMO 204)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 practicals per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

To equip students with a general overview on music history, style periods and tone colour. The contents include the tone colour of various music instruments and the characteristics of music style periods (Western Art Music, Indigenous African Music, and popular music styles).

Music education 209 (JMO 209)

Qualification	Undergraduate
Module credits	40.00
Prerequisites	No prerequisites.

Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Year

Module content

JMO 209 is an elective module for BEd students in the Intermediate, Senior and FET phases. andnbsp;A holistic approach to Music Education as part of the Learning area Creative Arts is followed. andnbsp;The focus is placed on active involvement in music making (music activities) providing opportunities for learners to develop their music skills as well as music theoretical knowledge (music concepts). andnbsp;In this module students are equipped with the necessary knowledge, skills, values and attitudes needed to apply in practice and to develop and enance the inherent musicality of all learners. andnbsp;Music Education, basic music theory, keyboard skills and guitar accompaniment are included.

Music education 301 (JMO 301)

Qualification	Undergraduate
Module credits	10.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

To build on the knowledge of music theory obtained in the previous year to provide them with the requirements needed for the music modules in the following years.

Music education 302 (JMO 302)

Qualification	Undergraduate
Module credits	10.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

This module offers further development of technical aspects and musical development with the focus on instrumental and vocal progress. Accompaniment and the performance of concert compositions are included on a more developed level than that in previous year modules.

Music education 303 (JMO 303)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	1 practical per week, 1 lecture per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

To equip students with the necessary knowledge to apply the principles of Music Education in practice so that they can present Music Education as part of the subject Creative Arts from Grades 4 to 9. The module content is a progression of knowledge (music concepts) and skills (music activities) acquired in the previous related module.

Music education 304 (JMO 304)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	1 practical per week, 1 lecture per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

To equip students with the necessary knowledge, skills, values and attitudes needed to apply in practice and to develop and enhance the inherent musicality of all learners. The emphasis is placed on a study of the theoretical and practical aspects of choral education and other performance-based activities.

Music education 309 (JMO 309)

Qualification	Undergraduate
Module credits	40.00

Prerequisites	JMO 209
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Year

Module content

In this module students are equipped to present Music education as part of the subject Arts and Culture from grade 4 – 9. The module content is a progression of knowledge (music concepts) and skills (music activities) acquired in the previous module JMO 220. In this module students are equipped with the necessary knowledge, skills, values and attitude needed to apply in practice and to develop and enhance the inherent musicality of all learners. Music education as focus (integrated with dance and drama), Music appreciation (basic music history), and keyboard knowledge are included. Students may choose between a basic keyboard knowledge or advanced piano accompaniment, depending on their existing music background knowledge and skills.

Methodology of Information technology 300 (JMR 300)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

Theoretical underpinnings and concepts specific to the field of teaching IT in South Africa. Instructional design, assessment and reflective practice in IT teaching. Best practice and micro teaching in IT. Grade 11 and 12 subject specific content.

Methodology of Information technology 330 (JMR 330)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

Theoretical underpinnings of IT; concepts specific to IT; teaching IT in South Africa; assessment in IT; reflective practice in IT; analysis of curriculum and policy documents in IT; instructional design in IT; IT management; IT community of practice.

Methodology of Information Technology 430 (JMR 430)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	May only be taken in the final year of study
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1 and Semester 2

Module content

Innovative and creative teaching and teaching skills in IT; thematic planning; selection and use of multiple resources in IT; assessment practices in IT; communication skills in IT; teaching philosophy in IT; reflective practice in IT; IT classroom management; IT community of practice.

Methodology of Information technology 451 (JMR 451)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Quarter 1

Module content

Innovative and creative teaching methods and teaching skills in IT. Thematic planning, selection and use of multiple resources in IT. Assessment practices, communication skills and classroom management in IT.

Methodology of Information technology 454 (JMR 454)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Quarter 4

Module content
Development of a teaching philosophy and reflective practice in IT teaching.

Methodology of Engineering graphics and design 200 (JMT 200)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Contact time	1 lecture per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Year

Module content

An analysis of curriculum and policy documents for Engineering Graphics and Design is done. Lesson design in Engineering Graphics and Design is addressed. The application of technology and media in the teaching of Engineering Graphics and Design is covered.

Methodology of Engineering graphics and design 304 (JMT 304)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 practicals per week, 1 lecture per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

Theoretical underpinnings of Engineering Graphics and Design, including concepts specific to Engineering Graphics and Design will be addressed; teaching Engineering Graphics and Design in South Africa will be investigated; instructional design, assessment and reflective practice in Engineering Graphics and Design are dealt with; best practice in teaching Engineering Graphics and Design is investigated. Micro teaching will be addressed.

Methodology of Engineering graphics and design 334 (JMT 334)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.

Contact time	2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Theoretical underpinnings of Engineering graphics and design, including concepts specific to Engineering graphics and design; teaching Engineering graphics and design in South Africa; assessment in Engineering graphics and design; reflective practice; analysis of curriculum and policy documents; instructional design.

Methodology of Engineering graphics and design 430 (JMT 430)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	May only be taken in the final year of study
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1 and Semester 2

Module content

Innovative and creative teaching skills in Engineering graphics and design; thematic planning; selection and use of multiple resources; assessment practices in Engineering graphics and design; communication skills and classroom management in Engineering graphics and design; teaching philosophy in Engineering graphics and design and reflective practices.

Methodology of Engineering Graphics and Design 451 (JMT 451)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Quarter 1

Module content

Innovative and creative teaching and teaching skills in Engineering Graphics and Design are dealt with. The following are also addressed: thematic planning; selection and use of multiple resources; assessment practices in Engineering Graphics and Design; communication skills and classroom management in Engineering Graphics and Design; and teaching philosophy in Engineering Graphics and Design.

Methodology of Engineering graphics and design 454 (JMT 454)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Quarter 4

Module content

Reflection on teaching practice will be done as well as optimising of instruction. Technological pedagogical content knowledge (TPACK) will be dealt with.

Methodology of Mathematics 200 (JMW 200)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Year

Module content

The following are applicable to the Senior and FET phase mathematics: Analysis of the curriculum and policy documents. Lesson design. Application of technology and media in mathematics teaching.

Methodology of Mathematical literacy 202 (JMW 202)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Year

Module content

The following are applicable to the Senior phase Mathematics and FET phase Mathematical Literacy: Analysis of the curriculum and policy documents. Lesson design. Application of technology and media in teaching mathematics.

Methodology of Intermediate Mathematics 203 (JMW 203)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Intermediate Phase Teaching BEd Intermediate Phase Teaching
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Year

Module content

Analysis of the curriculum and policy documents for Mathematics in the Intermediate Phase. Lesson design in and the application of technology and media in Mathematics teaching in the Intermediate Phase.

Methodology of Mathematics 204 (JMW 204)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Year

Module content

A thorough overview of the learning content with specific focus on practical application as prescribed by the National Curriculum Statement documents. Emphasis is placed on reaching the prescribed learning outcomes.

Methodology of Mathematics 300 (JMW 300)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	1 lecture per week
Language of tuition	Afrikaans and English are used in one class

Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

Theoretical underpinnings and concepts in teaching of Mathematics for all phases and Mathematical Literacy in South Africa; instructional design, assessment and reflective practice.

Methodology of Mathematics Literacy 302 (JMW 302)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 practicals per week, 1 lecture per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Theoretical underpinnings and concepts in teaching of Mathematics Literacy in South Africa; instructional design, assessment and reflective practice.

Methodology of Intermediate Mathematics 303 (JMW 303)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Intermediate Phase Teaching BEd Intermediate Phase Teaching
Prerequisites	No prerequisites.
Contact time	2 practicals per week, 1 lecture per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Theoretical underpinnings and concepts in teaching of Mathematics in the Intermediate Phase in South Africa; instructional design, assessment and reflective practice.

Methodology of Mathematics 330 (JMW 330)

Qualification	Undergraduate
Module credits	6.00

Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

Theoretical underpinnings of Mathematics; teaching Mathematics in South Africa; assessment in Mathematics; reflective practice; analysis of curriculum and policy documents; instructional design.

Methodology of Mathematical literacy 332 (JMW 332)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Theoretical underpinnings of Mathematical literacy Methodology; teaching Mathematical literacy in South Africa; assessment in Mathematical literacy; reflective practice; analysis of curriculum and policy documents; instructional design.

Methodology of Mathematics 430 (JMW 430)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	May only be taken in the final year of study
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1 and Semester 2

Module content

Innovative and creative teaching and teaching skills in Mathematics; thematic planning, selection and use of multiple resources; assessment practices in Mathematics; communication skills and classroom management in Mathematics, teaching philosophy in Mathematics and reflective practice.

Methodology of Mathematical literacy 432 (JMW 432)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	May only be taken in the final year of study

Contact time	4 lectures per week S1 only Q1, 4 lectures per week S2 only Q4
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1 and Semester 2

Module content

Innovative and creative teaching and teaching skills in Mathematical literacy; thematic planning; selection and use of multiple resources; assessment practices in Mathematical literacy; communication skills and classroom management in Mathematical literacy; teaching philosophy and reflective practices in Mathematical literacy.

Methodology of Mathematics 451 (JMW 451)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Quarter 1

Module content

Innovative and creative teaching methods and teaching skills in mathematics. Thematic planning. Selection and use of multiple resources in mathematics. Assessment practices. Communication skills. Classroom management. Pedagogical content knowledge of Mathematics in all phases and Mathematical Literacy.

Methodology of Mathematical literacy 452 (JMW 452)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Quarter 1

Module content

Innovative and creative teaching and teaching skills in Mathematical literacy; thematic planning; selection and use of multiple resources; assessment practices in Mathematical literacy; communication skills and classroom management in Mathematical literacy, teaching philosophy in Mathematical literacy and reflective practice.

Methodology of Intermediate Mathematics 453 (JMW 453)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Intermediate Phase Teaching BEd Intermediate Phase Teaching
Prerequisites	No prerequisites.
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Quarter 1

Module content

Innovative and creative teaching methods and teaching skills in Intermediate Mathematics. Thematic planning. Selection and use of multiple resources in Intermediate Mathematics. Assessment practices. Communication skills. Classroom management. Pedagogical content knowledge of Intermediate Mathematics.

Methodology of Mathematics 454 (JMW 454)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Quarter 4

Module content

Reflective practices and misconceptions in mathematics. Pedagogical content knowledge in Mathematics for all phases and Mathematical Literacy.

Methodology of Mathematics Literacy 455 (JMW 455)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching

Prerequisites	No prerequisites.
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Quarter 4

Module content

Reflective practices and misconceptions in Mathematics Literacy. Pedagogical content knowledge in Mathematics Literacy.

Methodology of Intermediate Mathematics 456 (JMW 456)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Intermediate Phase Teaching BEd Intermediate Phase Teaching
Prerequisites	No prerequisites.
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Quarter 4

Module content

Reflective practices and misconceptions in Intermediate Mathematics. Pedagogical content knowledge in Intermediate Mathematics.

Methodology of IsiNdebele 200 (JND 200)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	1 lecture per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Year

Module content

This module aims to develop students' skills which will enable learners to communicate in isiNdebele as effectively as possible on a more academic level. The module offers a thorough overview of the learning content with specific focus on practical application as prescribed by the National Curriculum Statement Documents.

Methodology of IsiNdebele 300 (JND 300)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 practicals per week, 1 lecture per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 2

Module content

Following on JND 200, this module aims for students to further develop skills which will enable learners to communicate as effectively as possible on a more academic level in isiNdebele. Students learn to compare and contrast approaches to learning and teaching; identify and differentiate concepts used in OBE, NCS and CAPS; implement OBE by planning and preparing lessons using NCS and CAPS learning and teaching methodologies and techniques in an integrative manner; and assessing using NCS and CAPS assessment methods, tools and techniques.

Methodology of isiNdebele 430 (JND 430)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	May only be taken in the final year of study
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 1

Module content

This African Language methodology module focuses on mother tongue instruction which covers the teaching of isiNdebele. The core aim in teaching Home Languages is to develop skills which will enable learners to communicate as effectively as possible, on a more academic level in their respective mother-tongue. Although the module will be presented in English, lesson plans and lesson presentations will be done in the relevant African Language. This module builds on previously acquired knowledge and skills obtained in JPS 120 and JLL 330. The knowledge and skills acquired are progressively applied in the methodologies (JLL 330 and JND 430). The module offers a thorough overview of the learning content with specific focus on practical application as prescribed by the National Curriculum Statement Documents. Emphasis is placed on achieving the prescribed learning outcomes. In this module students are equipped with the necessary knowledge, skills, values and attitudes needed in practice and to develop and enhance the language ability and language use of all learners. The module focuses on developing learning experiences for the language skills, namely listening, speaking, reading and writing, as well as language structure and grammar. Lessons and learning support material are developed with a strong focus on technology and e-learning. Various teaching styles relevant to the learning experience are dealt with.

Methodology of IsiNdebele 451 (JND 451)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Quarter 1

Module content

The module comprises the following themes: history of the different phases of education in South Africa and different teaching methods used in each phase; NCS and CAPS processing (scheme of work, schedule and assessment); multiple intelligences; facilitating grammar lessons; facilitating literature lessons; facilitating creative writing lessons and marking of letters and compositions; questioning skills for facilitating assessment (methods, techniques and tools); and using technology in teaching.

Methodology of IsiNdebele 454 (JND 454)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Quarter 4

Module content

Lesson design and application of design (continuing and applying second and third year methodology content); phase specific application; application, adaptation and integration of outcomes so that straddling can take place; subject specific principles of assessment and application; innovative teaching; thematic planning; finding, using and adapting resources for teaching; selection and assessment of authentic texts as well as textbooks; facilitating and mediating learning; multi-level teaching (adapting the curriculum to meet the needs of diverse learners); differentiation (learning styles and individual differences, multiple intelligences) and inclusive education; co-operative learning; electronic resource training, e-learning and micro teaching.

First aid 454 (JNH 454)

Qualification	Undergraduate
Module credits	3.00

Prerequisites	No prerequisites.
Contact time	2 practicals per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Consult the department

Module content

A practical course in the basic skills of first aid.

Research Project 400 (JNM 400)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	60 lectures per year, 12 tutorials per year
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

Where one teaching specialization is taken at FET level, the 20 remaining credits from the specialist pedagogical learning component are utilised here towards advanced studies in the form of a mini-research project in the teaching specialization.

Research methodology 410 (JNM 410)

Qualification	Undergraduate
Module credits	18.00
Prerequisites	May only be taken in the final year of study
Language of tuition	Separate classes for Afrikaans and English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

This module will develop the research capacity of the beginner teacher. A theoretical and practical frame of reference of the field research; an introduction to the collection of information and the identification and formulation of a research problem. Qualitative and quantitative research approaches including principles of action research are addressed. Research ethics. A research proposal and plan is created and assessed.

Research project 420 (JNM 420)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	May only be taken in the final year of study
Language of tuition	Separate classes for Afrikaans and English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

This module will develop the reflective and practical research capacity of the beginner teacher. The practical implementation of theory in a research project.

Research project 461 (JNM 461)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Science Mathematics and Technology Education
Period of presentation	Quarter 1

Module content

The module helps develop a theoretical and practical frame of reference of the field of research and introduces students to the collection of information and identification and formulation of a research problem. Research ethics as well as qualitative and quantitative approaches including principles of action research are addressed. A research proposal and plan is created and assessed.

Research project 464 (JNM 464)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Science Mathematics and Technology Education

Period of presentation	Quarter 4

Module content

The module comprises the practical implementation of theory in a research project. Research contexts may include the work-integrated learning or community focus. Research according to the proposal of JNM 461 is performed, and a research report is provided by the student under the direction of a supervisor. The report is assessed.

Natural sciences education 310 (JNS 310)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Mechanics, Gravity, Heat, Electricity, Magnetism, Sound and Light in the topic Energy and Change; Atoms, Elements, Chemical Bonds, Acids and bases, Redox Reactions and Organic Chemistry in the topic Matter and Materials; Cells, Photosynthesis, Respiration, Genetics, Evolution, Diversity, Human Biology and Ecosystems in the topic Life and Living; Gravity, Mechanics, Heat, Nuclear Physics, Elements, Compounds and Organic Chemistry in the topic Earth and Beyond.

Design and technology 110 (JOT 110)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	4 lectures per week S1
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

This module aims to develop students’ design problem solving capabilities in the context of processing: material properties and testing, textiles, food preservation and recycling technologies.

Design and technology 120 (JOT 120)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	4 lectures per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

This module aims to develop students' design problem solving capabilities in the context of structures: types of structures, components of structures, forces/loads acting on structures, properties of forces, strengthening and reinforcement techniques applicable to structures in technology.

Design and technology 210 (JOT 210)

Qualification	Undergraduate
Module credits	20.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	JOT 110 and JOT 120.
Contact time	4 lectures per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

This module aims to develop students' design problem solving capabilities in the context of electrical systems and control: atom theory, concepts such as voltage, current and resistance, current theory, electrical components and symbols, basic electric circuits, logic gates.

Design and technology 220 (JOT 220)

Qualification	Undergraduate
Module credits	20.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	JOT 110 and JOT 120.
Contact time	4 lectures per week

Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

This module aims to develop students' design problem solving capabilities in the context of mechanical systems and control: types of movement, mechanical advantage, mechanical components, pneumatic and hydraulic systems.

Design and technology 240 (JOT 240)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Intermediate Phase Teaching BEd Intermediate Phase Teaching
Prerequisites	JWT 115 or JWT 125
Contact time	1 practical per week, 4 lectures per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

This module develops an understanding of the interrelationship between technology, science, society and the environment. It will lead students to understanding the unique character of the design process. Two knowledge strands, namely structures and systems and control will be addressed.

Design and technology 340 (JOT 340)

Qualification	Undergraduate
Module credits	20.00
Prerequisites	No prerequisites.
Contact time	2 practicals per week, 4 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

This module develops an understanding of designing and design theory. It addresses problem solving and the development of solutions to technological problems. Two knowledge strands, namely mechanical and electrical systems and control will be covered.

Physical sciences education 310 (JPC 310)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 practicals per week, 2 lectures per week
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Application of vectors in one and two dimensions in motion and forces.Newton’s laws, Momentum, Work and Energy, Waves, Sound and Light Electrostatics, Electric circuits, Magnetism, Electromagnetism, Electrodynamics,Atomic structure, Chemical bonding, Chemical reactions, Stoichiometry, Energy and Chemical change, Reaction rate, Chemical equilibrium, Electrochemistry,Ideal gasses, Properties of materials

Physics and chemistry education 410 (JPC 410)

Qualification	Undergraduate
Module credits	24.00
Prerequisites	May only be taken in the final year of study
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1 and Semester 2

Module content

The following themes: Application of vectors in one and two dimensions in the study of motion and forces. Newton's laws, momentum work and energy. Waves, sound and light. Electrostatics, electric circuits, magnetism, electromagnetism, atomic structure, chemical bonding, chemical reactions, stoichiometry, energy and chemical change, reaction rate, chemical equilibrium, electrochemical reactions. Ideal gasses, properties of materials as it relates to the school curriculum

Botany 220 (JPK 220)

Qualification	Undergraduate
Module credits	10.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Separate classes for Afrikaans and English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Ecology
Biodiversity. Principles of plant geography, biomes, floristic kingdoms of the world. Southern African flora: composition, relationship with other floras, endemism, Southern African biomes, garden plants, invaders. Ecology: ecosystem, energy flow, production, trophic levels, foodstuff cycles, dynamics, vegetation, human and ecology, pollution, relationships between organisms. Environmental factors: Abiotic component. – Soil, light, water, temperature, fire, wind. Biotic component. Nature conservation. Techniques.

Professional studies 121 (JPS 121)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 2

Module content

This module guides the student to develop teaching skills, plan learning activities, and design learning and teaching materials that are suitable for the South African educational context.

Sports practical (Basic) 150 (JRC 150)

Qualification	Undergraduate
Module credits	32.00
Programmes	Higher Certificate Sport Science Education Higher Certificate Sport Science Education
Contact time	5 practicals per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

*Closed – requires departmental selection
Sport-specific skills, team situation; rules and regulations, refereeing; game analysis; coaching.

Foundations of recreation and sports management 111 (JRM 111)

Qualification	Undergraduate

Module credits	8.00
Programmes	Higher Certificate Sport Science Education Higher Certificate Sport Science Education
Prerequisites	No prerequisites.
Contact time	Online hybrid supported, 3 lectures per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 1

Module content

This module is a broad introduction to sport and recreation as products in the market. Students discover the nature of sport and recreation, the difference between the concepts and policies, plans, strategies and structures of sport and recreation in South Africa and Zone VI in Africa. The dynamic scope and nature of recreation and sports management are introduced and discussed. Emphasis is placed on basic management tasks and functions in sport and recreation contexts, interpersonal skills, leadership and control systems and techniques in sport and recreation. The module establishes a foundation of management knowledge and skills on which subsequent sport and recreation management modules are built.

Children with special needs 451 (JSN 451)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Early Childhood Education
Period of presentation	Quarter 1

Module content

Understanding and critically reflecting on the nature of barriers to learning and the principles underlying different strategies that can be used to address them.

Special needs education 454 (JSN 454)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	No prerequisites.
Language of tuition	Separate classes for Afrikaans and English
Department	Early Childhood Education
Period of presentation	Quarter 1 and 4

Module content
Research project in special education needs.

Methodology of Sepedi 200 (JSP 200)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	1 lecture per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Year

Module content

This module aims to develop students' skills which will enable learners to communicate as effectively as possible on a more academic level in Sepedi. Students learn to compare and contrast approaches to learning and teaching; identify and differentiate concepts used in OBE, NCS and CAPS; implement OBE by planning and preparing lessons using NCS and CAPS learning and teaching methodologies and techniques in an integrative manner; and assessing using NCS and CAPS assessment methods, tools and techniques.

Methodology of Sepedi 300 (JSP 300)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	1 lecture per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 1

Module content

Following on JSP 200, this module aims for students to further develop skills which will enable learners to communicate as effectively as possible on a more academic level in Sepedi. Students learn to compare and contrast approaches to learning and teaching; identify and differentiate concepts used in OBE, NCS and CAPS; implement OBE by planning and preparing lessons using NCS and CAPS learning and teaching methodologies and techniques in an integrative manner; and assessing using NCS and CAPS assessment methods, tools and techniques.

Methodology of Sepedi 430 (JSP 430)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	May only be taken in the final year of study
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 1

Module content

This African Language methodology module focuses on mother tongue instruction which covers the teaching of Sepedi. The core aim in teaching Home Languages is to develop skills which will enable learners to communicate as effectively as possible, on a more academic level in their respective mother-tongue. Although the module will be presented in English, lesson plans and lesson presentations will be done in the relevant African Language. This module builds on previously acquired knowledge and skills obtained in JPS 120 and JLL 330. The knowledge and skills acquired are progressively applied in the methodologies (JLL 330 and JSP 430). The module offers a thorough overview of the learning content with specific focus on practical application as prescribed by the National Curriculum Statement Documents. Emphasis is placed on achieving the prescribed learning outcomes. In this module students are equipped with the necessary knowledge, skills, values and attitudes needed in practice and to develop and enhance the language ability and language use of all learners. The module focuses on developing learning experiences for the language skills, namely listening, speaking, reading and writing, as well as language structure and grammar. Lessons and learning support material are developed with a strong focus on technology and e-learning. Various teaching styles relevant to the learning experience are dealt with.

Methodology of Sepedi 451 (JSP 451)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Quarter 1

Module content

This module aims to equip students with the necessary knowledge and skills regarding the following components of teaching Sepedi at schools: education policies and teaching methods; grammar; literature; creative writing; assessment; and e-learning. The module comprises the following themes: history of the different phases of education in South Africa and different teaching methods used in each phase; NCS and CAPS processing (scheme of work, schedule and assessment); multiple intelligences; facilitating grammar lessons; facilitating literature lessons; facilitating creative writing lesson and marking of letters and compositions; questioning skills for facilitating assessment (methods, techniques and tools); and using technology in teaching.

Methodology of Sepedi 454 (JSP 454)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Quarter 4

Module content

Lesson design and application of design (continuing and applying second and third year methodology content); phase specific application; application, adaptation and integration of outcomes so that straddling can take place; subject specific principles of assessment and application; innovative teaching; thematic planning; finding, using and adapting resources for teaching; selection and assessment of authentic texts as well as textbooks; facilitating and mediating learning; multi-level teaching (adapting the curriculum to meet the needs of diverse learners); differentiation (learning styles and individual differences, multiple intelligences) and inclusive education; co-operative learning; electronic resource training, e-learning and micro teaching.

Natural science and technology 320 (JST 320)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Foundation Phase Teaching BEd Foundation Phase Teaching
Prerequisites	No prerequisites.
Contact time	4 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Early Childhood Education
Period of presentation	Semester 2

Module content

This module equips students to understand and present Natural Science and Technology in the ECD and Foundation Phase. General guidelines, thinking and specific skills, concepts, content knowledge, problem solving, design process, planning and presentation of appropriate activities.

Science and Technology for the early years 321 (JST 321)

Qualification	Undergraduate
Module credits	6.00

Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	School for Teachers Training
Period of presentation	Semester 2

Module content

The module focuses on the knowledge and understanding of how children understand their life world as a foundation of their beginning knowledge of the world. It deals with the beginning knowledge of the Natural Sciences (Science and Technology), including people, plants, animals, things and how things work, Earth and space; and the Humanities (Geography, History and Social Sciences) in the early years. The main content areas of the module include supporting early learning of the Natural Sciences and Humanities; processes and strategies that young children use to understand their world, including discovery, predicting, experimenting, observing and measuring results; and the use of Technology in enhancing learning environments in the early years.

Methodology of Setswana 200 (JSW 200)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	1 lecture per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Year

Module content

This module aims to develop students' skills which will enable school learners to communicate as effectively as possible on a more academic level in Setswana. Students learn to compare and contrast approaches to learning and teaching; identify and differentiate concepts used in OBE, NCS and CAPS; implement OBE by planning and preparing lessons using NCS and CAPS learning and teaching methodologies and techniques in an integrative manner; and assessing using NCS and CAPS assessment methods, tools and techniques.

Methodology of Setswana 300 (JSW 300)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 practicals per week, 1 lecture per week

Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 2

Module content

Following on JSW 200, this module aims for students to further develop skills which will enable school learners to communicate as effectively as possible on a more academic level in Setswana. Students learn to compare and contrast approaches to learning and teaching; identify and differentiate concepts used in OBE, NCS and CAPS; implement OBE by planning and preparing lessons using NCS and CAPS learning and teaching methodologies and techniques in an integrative manner; and assessing using NCS and CAPS assessment methods, tools and techniques.

Methodology of Setswana 451 (JSW 451)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Quarter 1

Module content

This module aims to equip students with the necessary knowledge and skills regarding the following components of teaching Setswana at schools: education policies and teaching methods; grammar; literature; creative and composition writing; assessment; and e-learning. The module comprises the following themes: history of the different phases of education in South Africa and different teaching methods used in each phase; The NCS and CAPS processing (scheme of work; schedule and assessment); multiple Intelligences; facilitating grammar lessons; facilitating literature lessons; facilitating creative writing lessons and marking of letters and compositions; questioning skills for facilitating assessment (methods, techniques and tools); and using technology in teaching.

Methodology of Setswana 454 (JSW 454)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class

Department	Humanities Education
Period of presentation	Quarter 4

Module content

Lesson design and application of design (continuing and applying second and third year methodology content); phase specific application; application, adaptation and integration of outcome so that straddling can take place; subject specific principles of assessment and application; innovative teaching; thematic planning; finding, using and adapting resources for teaching; selection and assessment of authentic texts as well as textbooks; facilitating and mediating learning; multi-level teaching (adapting the curriculum to meet the needs of diverse learners); differentiation (learning styles and individual differences, multiple intelligences) and inclusive education; co-operative learning; electronic resource training, e-learning and micro teaching.

Language across the curriculum 200 (JTK 200)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	No prerequisites.
Contact time	2 web-based periods per week, 1 lecture per week
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

Effective communication strategies linked to the requirements of the teaching profession.

Engineering graphics and design 110 (JTT 110)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	4 lectures per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

This module equips students to understand and teach Engineering Graphics and Design. The focus is on intermediate free hand drawing; industrial processes; manufacturing processes; and manufacturing materials (including alloys); machining processes and component finishing processes.

Engineering graphics and design 120 (JTT 120)

Qualification	Undergraduate
Module credits	16.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	1 practical per week, 3 lectures per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Drawing standards, geometrical concepts and constructions, scales, 1st and 3rd angle orthographic projections, descriptive geometry: points and line segments, oblique planes. Isometric and perspective drawings. Plane figures, solid geometry, developments and interpenetrations. Conventions, symbols, structures and techniques appropriate to Mechanical and Civil drawings. Freehand sketches. Design principles. Knowledge and skills will be applied in a compulsory design project..

Engineering graphics and design 230 (JTT 230)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	MGC 110, JTT 120, WTW 134 or WTW 114 or WTW 158
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

This module equips students to understand and teach Engineering graphics and design in the FET-Phase. The focus is on the role of visualization in the design process and visualization principles and instruments and free hand drawing and instrument drawing techniques contextualised for the Department of Education's curriculum requirements for Mechanical drawing.

Engineering graphics and design 240 (JTT 240)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching

Prerequisites	MGC 110, JTT 120, WTW 134 or WTW 114 or WTW 158
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

This module equips students to understand and teach Engineering graphics and design in the FET-Phase. The focus is on intermediate free hand drawing and instrument drawing techniques contextualised for the Department of Education's curriculum requirements for Isometric drawing and Mechanical drawing conventions. Primary and secondary manufacturing processes including fixed bodies. Descriptive Geometry. Evaluation of drawings and error detection. Practical application of techniques.

Engineering graphics and design 330 (JTT 330)

Qualification	Undergraduate
Module credits	20.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	JTT 230
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

This module equips students to understand and teach Engineering graphics and design in the FET-Phase. The focus is on free hand drawing and CAD- drawing techniques contextualised for the Department of Education's curriculum requirements for Civil drawing conventions. Perspective drawings. Evaluation of drawings and error detection. Practical application of techniques.

Engineering graphics and design 340 (JTT 340)

Qualification	Undergraduate
Module credits	20.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	JTT 240
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education

Period of presentation	Semester 2

Module content

This module equips students to understand and teach Engineering graphics and design in the FET-Phase. The focus is on free hand drawing and CAD- drawing techniques contextualised for the Department of Education's curriculum requirements for advanced Mechanical drawing techniques and application. Primary and secondary manufacturing processes. Evaluation of drawings and error detection. Practical application of techniques.

Guidance and counselling 210 (JVB 210)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	3 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Educational Psychology
Period of presentation	Semester 1

Module content

This module gives and overview of guidance and counselling within the school context with the principles of positive psychology as the underlying foundation. The module strives to equip the student teacher with knowledge and skills to screen, identify, assess and support learners with physical and physiological impairment and learners who display challenging behaviour in the classroom. The student teacher will be exposed to how contextual psychosocial care and support as well as career guidance can be implemented in schools.

Guidance and counselling 220 (JVB 220)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	3 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Educational Psychology
Period of presentation	Semester 2

Module content

This module aims to provide student teachers with knowledge on learners who experience physical and/or physiological barriers, learners who display challenging behaviour in the classroom, together with a focus on risk factors that may cause physical and/or physiological barriers, as well as protective factors which might protect learners against any risks that may harm or impede their development and enhance their well-being. Student teachers will furthermore acquire the necessary knowledge, skills, attitudes and values of how educators can identify, assess, support and accommodate learners who experience physical and/or physiological difficulties, as well as learners who display challenging behaviour in the classroom. The main emphasis of this module is to teach student teachers skills on how to support learners with physical and/or physiological barriers, as well as learners who display challenging behaviour in the classroom and enhance their overall well-being by utilising and mobilising existing assets in the classroom, school and school-community.

Guidance and counselling 301 (JVB 301)

Qualification	Undergraduate
Module credits	40.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	4 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Educational Psychology
Period of presentation	Year

Module content

This module aims to support student teachers in developing and practically applying knowledge and skills in terms of guidance and counselling within the school context. JVB 301 builds on positive psychology principles and aims to equip student teachers to be able to guide and counsel learners in the various phases of the education system. The module addresses behavioural and emotional barriers to learning and performance, as well as study method support and career guidance. For each of these areas, the focus will fall on screening and identification procedures in terms of causes and characteristics, classroom support and management, and guidelines in support of parents. The module will furthermore equip student teachers with knowledge on the nature of guidance and counselling (including career guidance), specifically within the learning environment. The ultimate aim is to provide students with an opportunity to practically apply the knowledge they have gained in JVB 210 and JVB 220 in a classroom setting, by guiding and counselling learners in need of specialised support. In addition, student teachers will have the opportunity to apply their knowledge of career theories and career counselling in practice.

Early childhood development studies 130 (JVK 130)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Foundation Phase Teaching BEd Foundation Phase Teaching

Prerequisites	No prerequisites.
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 1

Module content

Planning, implementation and evaluation of the Early childhood curriculum to promote learning and development in the early years.

Early childhood development studies 400 (JVK 400)

Qualification	Undergraduate
Module credits	24.00
Programmes	BEd Foundation Phase Teaching BEd Foundation Phase Teaching
Prerequisites	May only be taken in the final year of study
Contact time	4 lectures per week S2 only Q4, 4 lectures per week S1 only Q1
Language of tuition	Afrikaans and English are used in one class
Department	Early Childhood Education
Period of presentation	Year

Module content

This module is designed to develop the student teachers' understanding of different theories, approaches and challenges relating to early childhood education for children from birth to six years old. In this module student teachers explore and incorporate the importance of culture and contexts within various early learning centres in South Africa and beyond. The programme therefore aims to create an awareness towards the positive, long-term impact of quality education during the early childhood years. Student teachers will also be equipped to become competent, knowledgeable, reflective and committed teachers, which will enable them to contribute towards the holistic development and learning of young children.

Mathematical literacy 210 (JWG 210)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	STK 113 or STK 123 passed with a GS (40%) obtained in the other module, or STK 110 or WTW 134
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Module is presented in English

Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

Functions and graphs for teachers:
Functions; graphs of functions; transformations of functions; inverse functions; polynomial functions; polynomial and synthetic division; complex numbers; zeros of polynomial functions; rational functions; inequalities; mathematical modelling.

Mathematical literacy 220 (JWG 220)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	STK 113 or STK 123 passed with 40% (GS) obtained in the other module or STK 110 or WTW 134
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Functions, equations, sequences and series for teachers:
Combination of functions; mathematical modelling; exponential functions and their graphs; logarithmic functions and their graphs; properties of logarithms; exponential and logarithmic equations; exponential and logarithmic models; systems of equations and inequalities; sequences and series.

Mathematical literacy 310 (JWG 310)

Qualification	Undergraduate
Module credits	20.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	JWG 210
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

Trigonometry and financial mathematics for teachers:
Trigonometric functions; triangle trigonometry; graphs of trigonometric functions; identities; trigonometric equations; law of sine and law of cosines; applications and models; financial mathematics: percentage, interest, loans and amortisation.

Mathematical literacy 320 (JWG 320)

Qualification	Undergraduate
Module credits	20.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	JWG 220
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Geometry and applications for teachers:
Volume and surface area; polygons and their properties; analytical geometry; transformation geometry; circle geometry; proofs; axiomatic systems; applications and modelling.

Fundamental mathematical concepts 181 (JWI 181)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Intermediate Phase Teaching BEd Intermediate Phase Teaching
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

The module will include an overview of mathematics as the science of pattern and order and what it means to do mathematics in the Intermediate Phase. It will also highlight basic concepts that are useful in everyday life with specific reference to problem solving in everyday contexts. The four operations will be discussed against the background of the number system with particular emphasis on fractions, percentages, data handling and proportionality as well as the basics of financial mathematics.

Intermediate mathematics 210 (JWI 210)

Qualification	Undergraduate

Module credits	12.00
Programmes	BEd Intermediate Phase Teaching BEd Intermediate Phase Teaching
Prerequisites	WTW 133 and WTW 143
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

Numeration and operations for teachers:
Exploration of numeration systems and bases; developing number concepts; operations with whole numbers; assessment and other methodological strategies.

Intermediate mathematics 220 (JWI 220)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Intermediate Phase Teaching BEd Intermediate Phase Teaching
Prerequisites	WTW 133 and WTW 143
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Fractions and Algebra for teachers:
Investigate strategies for algebraic thinking and reasoning; proportionality; developing fraction concepts; establishing relationships between fractions, decimals and percentages; and functions.

Intermediate mathematics 310 (JWI 310)

Qualification	Undergraduate
Module credits	20.00
Programmes	BEd Intermediate Phase Teaching BEd Intermediate Phase Teaching
Prerequisites	JWI 210 and JWI 220
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education

Period of presentation	Semester 1

Module content

Geometry for teachers:
Space and shapes and size and measurement. Geometric thinking and reasoning. Euclidean geometry: a synthetic and analytical approach.

Intermediate mathematics 320 (JWI 320)

Qualification	Undergraduate
Module credits	20.00
Programmes	BEd Intermediate Phase Teaching BEd Intermediate Phase Teaching
Prerequisites	JWI 210 and JWI 220
Contact time	2 practicals per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Statistics for teachers:
Counting and probability: counting principles, permutations and combinations, probability and expected value. Descriptive statistics: organising and visualising data, measures of central tendency and dispersion, normal distribution.

Intermediate mathematics 410 (JWI 410)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	May only be taken in the final year of study
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1 and Semester 2

Module content

Mathematical development: the learning of relationships among numbers and of the four operations; and to develop quick and accurate recall with the basic facts. Whole number place value concepts are developed to provide a firm foundation for flexible methods of computation.

Natural science 115 (JWT 115)

Qualification	Undergraduate
Module credits	8.00

Programmes	BEd Intermediate Phase Teaching BEd Intermediate Phase Teaching
Prerequisites	3 (40-49%) in both Physical Science and Mathematics in Grade 12.
Contact time	4 lectures per week, 2 practicals per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

Atoms; nuclei; elements; compounds; chemical bonds; intermolecular forces, chemical reactions; oxidation and reduction; acids and bases; organic chemistry.

Natural science 125 (JWT 125)

Qualification	Undergraduate
Module credits	8.00
Programmes	BEd Intermediate Phase Teaching BEd Intermediate Phase Teaching
Prerequisites	3 (40-49%) in both Physical Science and Mathematics in Grade 12.
Contact time	4 lectures per week, 2 practicals per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Motion; Newton’s laws; momentum; energy; gravity; heat; gases, liquids, electricity, magnetism; waves, sound and light.

Natural science 230 (JWT 230)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Intermediate Phase Teaching BEd Intermediate Phase Teaching
Prerequisites	JWT 115, JWT 125
Contact time	2 practicals per week, 4 lectures per week
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content
Plate tectonics, rocks , minerals, the earth's surface and oceans, the atmosphere, weather, climate, motions of the earth, the solar system, stars, galaxies and the universe.

Natural science 315 (JWT 315)

Qualification	Undergraduate
Module credits	20.00
Programmes	BEd Intermediate Phase Teaching BEd Intermediate Phase Teaching
Prerequisites	Both JWT 115 and 125 passed
Contact time	4 lectures per week, 1 practical per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content
Cytology; genetics; ecology; evolution.

Natural science 325 (JWT 325)

Qualification	Undergraduate
Module credits	20.00
Programmes	BEd Intermediate Phase Teaching BEd Intermediate Phase Teaching
Prerequisites	Both JWT 115 and 125 passed
Contact time	1 practical per week, 4 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content
Biological diversity; human biology.

Natural science 330 (JWT 330)

Qualification	Undergraduate
Module credits	20.00
Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education

Period of presentation	Semester 1

Module content

Describing motion; Newton's laws of motion; momentum and energy; gravity; heat; electricity and magnetism; waves, sound and light; atoms; nuclear physics; elements and compounds; chemical bonds; chemical reactions; oxidation and reduction; acids and bases; organic chemistry.

Natural science 340 (JWT 340)

Qualification	Undergraduate
Module credits	20.00
Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Cells; genetics; evolution; biological diversity; human biology; ecosystems and environment.

Sport injuries 141 (JXE 141)

Qualification	Undergraduate
Module credits	10.00
Programmes	Higher Certificate Sport Science Education Higher Certificate Sport Science Education
Prerequisites	No prerequisites.
Contact time	Supervised practicals of 20 hours
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

Bio-mechanic factors, causes of injuries, soft-tissue injuries, podiatry, first aid, massage, strapping and CPR. Supervised practice of 20 hours.

Fundamental nutrition 143 (JXE 143)

Qualification	Undergraduate
Module credits	8.00
Programmes	Higher Certificate Sport Science Education Higher Certificate Sport Science Education
Prerequisites	No prerequisites.
Contact time	Online hybrid supported, 3 lectures per week

Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Quarter 2

Module content

Nutrition and health, digestion, absorption and metabolism, carbohydrates, fats, proteins, energy balance and weight management.

Exercise and training principles 151 (JXE 151)

Qualification	Undergraduate
Module credits	8.00
Programmes	Higher Certificate Sport Science Education Higher Certificate Sport Science Education
Prerequisites	No prerequisites.
Contact time	Online hybrid supported, Sport code dependent
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Quarter 1 or 2 or 3 or 4

Module content

This module is about coaching and adjudication. The student must obtain a Level 1 Sport Coaching, and Refereeing Certificate, in the sport of choice. The student must obtain a conditioning programme as well as a grounds man practical achievement.

Coaching professionalism 151 (JXP 151)

Qualification	Undergraduate
Module credits	8.00
Programmes	Higher Certificate Sport Science Education Higher Certificate Sport Science Education
Prerequisites	No prerequisites.
Contact time	3 practicals per week, Online hybrid supported
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Quarter 1 or 2 or 3 or 4

Module content

Development of coaching strategies informed by coaching philosophies to prepare for life; especially for self-autonomy and to become responsible citizens in democratic South Africa. The aim of this intervention is to equip every coach to exercise coaching the “complete” athlete; on the sports field, during practice sessions and competitions and beyond for life.

Methodology of isiZulu 200 (JZL 200)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Year

Module content

This module aims to develop students' skills which will enable learners to communicate as effectively as possible on a more academic level in isiZulu. Students learn to compare and contrast approaches to learning and teaching; identify and differentiate concepts used in OBE, NCS and CAPS; implement OBE by planning and preparing lessons using CAPS learning and teaching methodologies and techniques in an integrative manner; and assessing using CAPS assessment methods, tools and techniques.

Methodology of isiZulu 300 (JZL 300)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	1 lecture per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 1

Module content

Following on JZL 200, this module aims to further develop students' skills which will enable learners to communicate as effectively as possible on a more academic level in isiZulu. Students learn to compare and contrast approaches to learning and teaching; identify and differentiate concepts used in OBE, NCS and CAPS; implement OBE by planning and preparing lessons using CAPS learning and teaching methodologies and techniques in an integrative manner; and assessing using CAPS assessment methods, tools and techniques.

Methodology of isiZulu 430 (JZL 430)

Qualification	Undergraduate
Module credits	12.00
Prerequisites	May only be taken in the final year of study

Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 1

Module content

This African Language methodology module focuses on mother tongue instruction which covers the teaching of isiZulu. The core aim in teaching Home Languages is to develop skills which will enable learners to communicate as effectively as possible, on a more academic level in their respective mother-tongue. Although the module will be presented in English, lesson plans and lesson presentations will be done in the relevant African Language. This module builds on previously acquired knowledge and skills obtained in JPS 120 and JLL 330. The knowledge and skills acquired are progressively applied in the methodologies (JLL 330 and JZL 430). The module offers a thorough overview of the learning content with specific focus on practical application as prescribed by the National Curriculum Statement Documents. Emphasis is placed on achieving the prescribed learning outcomes. In this module students are equipped with the necessary knowledge, skills, values and attitudes needed in practice and to develop and enhance the language ability and language use of all learners. The module focuses on developing learning experiences for the language skills, namely listening, speaking, reading and writing, as well as language structure and grammar. Lessons and learning support material are developed with a strong focus on technology and e-learning. Various teaching styles relevant to the learning experience are dealt with.

Methodology of isiZulu 451 (JZL 451)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Quarter 1

Module content

The module comprises the following themes: The NCS and CAPS processing (scheme of work, schedule and assessment); multiple Intelligences; facilitating grammar lessons; facilitating literature lessons; facilitating creative writing lessons and the marking of letters and compositions; questioning skills for facilitating assessment (methods, techniques and tools); and using technology in teaching.

Methodology of isiZulu 454 (JZL 454)

Qualification	Undergraduate
Module credits	3.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching

Contact time	2 lectures per week, 2 practicals per week
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Quarter 4

Module content

Lesson design and application of design (continuing and applying second and third year methodology content); phase specific application; application, adaptation and integration of outcomes so that straddling can take place; subject specific principles of assessment and application; innovative teaching; thematic planning; finding, using and adapting resources for teaching; selection and assessment of authentic texts as well as textbooks; facilitating and mediating learning; multi-level teaching (adapting the curriculum to meet the needs of diverse learners); differentiation (learning styles and individual differences, multiple intelligences) and inclusive education; co-operative learning; electronic resource training, e-learning and micro teaching.

Socio-emotional health and wellbeing 730 (KGG 730)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Educational Psychology BEdHons Educational Psychology
Prerequisites	No prerequisites.
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	Educational Psychology
Period of presentation	Semester 1 or Semester 2

Module content

The Socio-emotional health and wellbeing module is aimed at educating students in the proactive promotion of wellbeing through socio-emotional learning and socio-emotional competence. It lays the theoretical foundation for informing stakeholders how students, teachers, parents and significant caregivers can help, guide and support (young) people in order to understand how they act in the family system and society context. The module explores systemic support strategies in contexts of high need. The module furthermore aims to assist students in developing the socio-emotional skills of people (especially younger people).

Curriculum development 410 (KRO 410)

Qualification	Postgraduate
Module credits	10.00
Programmes	PGCHE PGCHE
Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class

Department	Humanities Education
Period of presentation	Semester 1

Module content

Exploring models and principles of curriculum development. Adapt principles to comply with the process of outcomes-based curriculum development. Developing a study guide/manual as outcome of outcomes-based curriculum development. Learning through, for and about problem-based learning.

Leadership and management 420 (LAM 420)

Qualification	Postgraduate
Module credits	10.00
Programmes	PGCHE PGCHE
Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 2

Module content

The role and profile of the teacher, training and development practitioner. Leadership, administration and management. Conflict management. Team management. Networking.

Leadership and management of learning in education 880 (LBL 880)

Qualification	Postgraduate
Module credits	30.00
Programmes	MEd Educational Leadership (Coursework) MEd Educational Leadership (Coursework)
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Semester 1

Module content

This module introduces students to the principal as leader of curriculum and instruction in the school context, with the primary goal of enhancing learning. Prospective principals will acquire competence in the deployment of effective leadership strategies (including coaching and teacher appraisal) to enhance the quality of teaching and learning in their schools.

Learning diversity 730 (LDS 730)

Qualification	Postgraduate
Module credits	16.00

Programmes	BEdHons Educational Psychology BEdHons Educational Psychology
Prerequisites	No prerequisites.
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	Curriculum Studies
Period of presentation	Semester 1 or Semester 2

Module content

The Learning diversity module aims to introduce the theory of effective learning and barriers to learning. It will discuss enablers of effective learning, how barriers to learning can be addressed, the implications of inclusion when accommodating learners with barriers to learning, and how learning can be facilitated in multilingual contexts. It reviews the assessment of difficulties in reading, spoken and written language, mathematics, perceptual development as well as non-verbal learning challenges.

Mediating learning 400 (LMD 400)

Qualification	Postgraduate
Module credits	30.00
Programmes	PGCHE PGCHE
Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Year

Module content

The function of mediator of learning and facilitator of learning as central role of the higher education practitioner. Applied and integrated roles of practitioner. Facilitating learning aimed at the diverse needs of learners, including learners with special needs. Creating learning opportunities that is conducive to learning. Learning style flexibility and multiple intelligences. Effective education communication. Implementing strategies and utilizing sources applicable to the South African context. Guiding of students. Academic development across the curriculum. Adult learning theory. Application in authentic practice.

Learning theories and assessment in teaching 401 (LNT 401)

Qualification	Postgraduate
Module credits	18.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements

Contact time	54 lectures per year, 10 tutorial per year
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

LNT 401 incorporates general pedagogical knowledge which includes knowledge of learners, learning, curriculum and general instructional and assessment strategies. This study focuses on different theories of learning. Students will be challenged to explore most recent research on learning style preferences and motivation, whole-brain learning and multiple intelligences and possible causes of poor and underachievement to enable them to cater for the diversity of learners. Theory and practice of teaching assessment. Recording and reporting of assessment. Self-assessment, peer assessment and formal assessment. Accommodations and alternative assessment of learners with a disability. Concepts, elements and skills of critical and creative thinking will be dealt with to create challenging and supportive learning environments.

Life design 730 (LOT 730)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Educational Psychology BEdHons Educational Psychology
Prerequisites	no prerequisites
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	Educational Psychology
Period of presentation	Semester 1 or Semester 2

Module content

The Life design module aims to provide an overview of career theories with emphasis on the life design paradigm in a South African career counselling context. This module will equip students with the knowledge and skills required to provide meaningful and relevant career guidance services by applying the principles of major career theories alongside the principles of life design. Students will be introduced to using career information and education to foster career development. Students will learn how to facilitate the process of life design with learners in order to enable them to construct a career in equilibrium with other life demands.

Learning support 710 (LSG 710)

Qualification	Postgraduate
Module credits	16.00

Programmes	BEdHons Teacher Education and Professional Development BEdHons Assessment and Quality Assurance in Education and Training BEdHons Learning Support BEdHons Teacher Education and Professional Development
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 1

Module content

The neurological interpretation and processing of the reading process in the brain; the impact of perception (motor, visual and auditory) on the integrated learning process; learning support strategies (sound and word recognition); reading habits, extension of eye span and reading speed; reading motivation. A practical learning support model which focuses on assessment as well as devising a supporting programme to cater for individual needs.

Learning support 733 (LSG 733)

Qualification	Postgraduate
Module credits	16.00
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 1

Module content

The neurological interpretation and processing of the reading process in the brain; the impact of perception (motor, visual and auditory) on the integrated learning process; learning support strategies (sound and word recognition); reading habits, extension of eye span and reading speed; reading motivation. A practical learning support model which focuses on assessment as well as devising a supporting programme to cater for individual needs.

Part 2: Research report 780 (LSG 780)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Learning Support BEdHons BEdHons Learning Support
Prerequisites	NMQ 755
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Semester 2

Module content
Supervised research project of limited scope. Application of quantitative and/or qualitative research methods. Writing a research report and presenting a research paper in a team.

Life science education 730 (LSN 730)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Teacher Education and Professional Development BEdHons Assessment and Quality Assurance in Education and Training BEdHons Life Sciences Education BEdHons Teacher Education and Professional Development
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1 or Semester 2

Module content

The nature and structure of life science: implications for life sciences teaching; learning excellence in life sciences; development and administration of a school's life sciences department; planning of learning activities in life sciences; experimentation and research methodology; practical work, demonstrations and microscope work; management and use of organisms in the laboratory; the life sciences club; excursions and fieldwork; safety in the laboratory.

Life science education 733 (LSN 733)

Qualification	Postgraduate
Module credits	16.00
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

The nature and structure of life science: implications for life sciences teaching; learning excellence in life sciences; development and administration of a school's life sciences department; planning of learning activities in life sciences; experimentation and research methodology; practical work, demonstrations and microscope work; management and use of organisms in the laboratory; the life sciences club; excursions and fieldwork; safety in the laboratory.

Dissertation: Learning support 890 (LVB 890)

Qualification	Postgraduate
Module credits	180.00

Programmes	MEd Learning Support Guidance and Counselling MEd Learning Support Guidance and Counselling
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Educational Psychology
Period of presentation	Year

Learner support, guidance and counselling 900 (LVB 900)

Qualification	Postgraduate
Module credits	0.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Educational Psychology
Period of presentation	Year

Thesis: Learner support, guidance and counselling 990 (LVB 990)

Qualification	Postgraduate
Module credits	360.00
Programmes	PhD Learning Support, Guidance and Counselling PhD Learning Support, Guidance and Counselling
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Educational Psychology
Period of presentation	Year

Management and leadership in education 721 (LVO 721)

Qualification	Postgraduate
Module credits	16.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Semester 1

Module content

Introduction to education management – process and models. Management as function to ensure task execution in schools. Managing the school management areas. Leadership in education. Creating a productive internal school environment.

Management and leadership in education 731 (LVO 731)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Education Management, Law and Policy BEdHons Education Management, Law and Policy
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Semester 1

Module content

Introduction to education management - process and models. Management as function to ensure effective task execution in schools. Managing the institutional management areas. Leadership in education. Creating a productive internal educational environment.

Human resource management in education 734 (MBR 734)

Qualification	Postgraduate
Module credits	16.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Semester 1 or Semester 2

Module content

Legal frame of reference. HRM process. Labour law in education. Professionalism (ethics).

Mathematics and mathematical literacy education 730 (MCE 730)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Teacher Education and Professional Development BEdHons Assessment and Quality Assurance in Education and Training BEdHons Mathematics Education BEdHons Teacher Education and Professional Development
Service modules	Faculty of Natural and Agricultural Sciences
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1 or Semester 2

Module content

Perspectives in the teaching and learning of mathematics. This module will focus on contemporary issues in mathematics education such as: Types of mathematical knowledge in teacher education; learning theories in mathematics education; use of technology in the teaching of mathematics; classroom research; gender; language; culture (Ethno mathematics). Mathematics in context: prospects and challenges. This module also focuses on the role of mathematics in different contexts (including vocational and real life contexts): Nature of mathematics – mathematics as a human activity; rationale for learning mathematics; the theory of realistic mathematics education; content-driven and context-driven approach in mathematics; mathematical literacy; knowledge 'transfer': some challenges – school mathematics vs real world.

Mathematics education 733 (MCE 733)

Qualification	Postgraduate
Module credits	16.00
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Perspectives in the teaching and learning of mathematics. This module will focus on contemporary issues in mathematics education such as: Types of mathematical knowledge in teacher education; learning theories in mathematics education; use of technology in the teaching of mathematics; classroom research; gender; language; culture (Ethno mathematics). Mathematics in context: prospects and challenges. This module also focuses on the role of mathematics in different contexts (including real life contexts): Nature of mathematics – mathematics as a human activity; rationale for learning mathematics; the theory of realistic mathematics education; content-driven and context-driven approach in mathematics; mathematical literacy; knowledge 'transfer': some challenges – school mathematics vs real world.

Mentorship 420 (MEP 420)

Qualification	Postgraduate
Module credits	10.00
Programmes	PGCHE PGCHE
Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 2

Module content

Principles of mentorship. Strategies for mentorship. Mentorship practice. Leadership. Interpersonal aspects.

Graphical communication 110 (MGC 110)

Qualification	Undergraduate

Module credits	16.00
Programmes	BEng Electronic Engineering Engage
Service modules	Faculty of Education
Prerequisites	No prerequisites.
Contact time	3 lectures per week, 3 tutorials per week
Language of tuition	Module is presented in English
Department	Mechanical and Aeronautical Engineering
Period of presentation	Semester 1

Module content

Freehand sketching covering the following: perspective, isometric and orthographic drawings. Drawing conventions, graphical techniques and assembly drawings. Evaluation of drawings and error detection. True lengths of lines, projections and intersections. Practical applications of these techniques. Introduction to computer-aided drawings, including dimensioning, crosshatching and detailing. Introduction to basic manufacturing processes including primary (casting, forging and extrusion) and secondary (drilling, turning, milling, grinding, broaching and sawing) manufacturing procedures.

Molecular and cell biology 111 (MLB 111)

Qualification	Undergraduate
Module credits	16.00
Programmes	BDietetics BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Health Sciences Faculty of Veterinary Science
Prerequisites	A candidate who has passed Mathematics with at least 60% in the Grade 12 examination
Contact time	1 practical/tutorial per week, 4 lectures per week
Language of tuition	Module is presented in English
Department	Biochemistry, Genetics and Microbiology
Period of presentation	Semester 1

Module content

Introduction to the molecular structure and function of the cell. Basic chemistry of the cell. Structure and composition of prokaryotic and eukaryotic cells. Ultrastructure and function of cellular organelles, membranes and the cytoskeleton. General principles of energy, enzymes and cell metabolism. Selected processes, e.g. glycolysis, respiration and/or photosynthesis. Introduction to molecular genetics: DNA structure and replication, transcription, translation. Cell growth and cell division.

Introduction to isiNdebele Grammar – Capita selecta 110 (NDE 110)

Qualification	Undergraduate
Module credits	12.00
Programmes	BA Extended programme BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in IsiNdebele
Department	African Languages
Period of presentation	Semester 1

Module content

For speakers of isiNdebele as home language or first or second additional language.
Aspects of the grammar of isiNdebele such as an introduction to the word categories; an introduction to the structure, meaning and use of the noun, the adjective, the relative, the possessive; the verb; writing and spelling rules; dictionaries and dictionary use; grammatical analysis.

isiNdebele 210 (NDE 210)

Qualification	Undergraduate
Module credits	20.00
Programmes	BPolSci Political Studies BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	AFT 121 and NDE 110
Contact time	2 lectures per week
Language of tuition	Module is presented in IsiNdebele
Department	African Languages
Period of presentation	Semester 1

Module content

Aspects of the grammar of isiNdebele such as a continuation of the study of the word categories; grammatical analysis; the structure, meaning and use of the pronoun and the enumerative; an introduction to isiNdebele speech sounds/phonetics.

isiNdebele 310 (NDE 310)

Qualification	Undergraduate
Module credits	30.00
Programmes	BPolSci Political Studies BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	NDE 210, AFT 220
Contact time	2 lectures per week
Language of tuition	Module is presented in IsiNdebele
Department	African Languages
Period of presentation	Semester 1

Module content

Aspects of the grammar of isiNdebele such as a continuation of the study of the word categories; grammatical analysis; more intensive study of the structure, meaning and use of the noun (specifically derived nouns) and verb (specifically moods and verbal extensions); an introduction to the sound changes/phonology of isiNdebele.

Foundations of educational research 731 (NMQ 731)

Qualification	Postgraduate
Module credits	12.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Semester 1

Module content

The nature of educational enquiry: contexts of research, science, research ethics, truth, rationality, subjectivity and objectivity. Quantitative and qualitative modes of enquiry, research designs and data collection techniques. Research processes and planning for research. Research management. Writing a research report.

Introduction to quantitative research 732 (NMQ 732)

Qualification	Postgraduate
Module credits	12.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Semester 1 or Semester 2

Module content

Statistical techniques in the educational research process. Basic concepts and principles. Survey methodology and questionnaire design. Classification and graphical representation of data. Descriptive measures. Statistical inference. Data-processing procedures. Parametric versus non-parametric tests. Some test statistics.

Educational research methodology 734 (NMQ 734)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Teacher Education and Professional Development (Distance Education) BEdHons Teacher Education and Professional Development (Distance Education)
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1 or Semester 2

Module content

The nature of educational enquiry: contexts of research, research ethics, truth, rationality, subjectivity and objectivity; Quantitative and qualitative modes of enquiry, research designs and data collection techniques. Various approaches to qualitative research including case study research, historical research, ethnographic research, and action research. Basic concepts and principles of quantitative research. Statistical techniques in the educational research process. Survey methodology and questionnaire design. Classification and graphical representation of data. Descriptive measures. Statistical inference. Data-processing procedures. Parametric versus non-parametric tests. Some test statistics (e.g. F-Test and T-test). Formulating a research methodology for a limited project.

Research proposal 735 (NMQ 735)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Teacher Education and Professional Development (Distance Education) BEdHons Teacher Education and Professional Development (Distance Education)
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 1

Module content

Guided literature research, formulation of a conceptual framework and development of a research proposal for a supervised research project of limited scope.

Educational research methodology 745 (NMQ 745)

Qualification	Postgraduate
Module credits	16.00

Programmes	BScHons Mathematics and Mathematics Education Differential Equations and Modelling BEdHons BEdHons Assessment and Quality Assurance in Education and Training BEdHons Computer-integrated Education BEdHons Education Management, Law and Policy BEdHons Educational Psychology BEdHons Learning Support BEdHons Life Sciences Education BEdHons Mathematics Education BEdHons Physical Sciences Education BEdHons Teacher Education and Professional Development BEdHons Technology Education
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

The nature of educational enquiry: contexts of research, research ethics, truth, rationality, subjectivity and objectivity; Quantitative and qualitative modes of enquiry, research designs and data collection techniques. Various approaches to qualitative research including case study research, historical research, ethnographic research, and action research. Basic concepts and principles of quantitative research. Statistical techniques in the educational research process. Survey methodology and questionnaire design. Classification and graphical representation of data. Descriptive measures. Statistical inference. Data-processing procedures. Parametric versus non-parametric tests. Some test statistics (e.g. F-Test and T-test). Formulating a research methodology for a limited project.

Part 1: Research proposal 755 (NMQ 755)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Educational Psychology BEdHons BEdHons Assessment and Quality Assurance in Education and Training BEdHons Computer-integrated Education BEdHons Education Management, Law and Policy BEdHons Educational Psychology BEdHons Learning Support BEdHons Life Sciences Education BEdHons Mathematics Education BEdHons Physical Sciences Education BEdHons Teacher Education and Professional Development BEdHons Technology Education
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 1

Module content

Guided literature research, formulation of a conceptual framework and development of a research proposal for a supervised research project of limited scope.

Research proposal 800 (NMQ 800)

Qualification	Postgraduate
Module credits	30.00
Programmes	MEd Educational Leadership (Coursework) MEd Educational Leadership (Coursework) MEd Educational Psychology (Coursework)
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

Development of a research proposal. Research methodology. Overview and principles of quantitative and qualitative research methodology. Data collection methods, data analysis methods, paradigm analysis and theoretical frameworks for educational studies. Global theoretical perspectives in education.

Research proposal 801 (NMQ 801)

Qualification	Postgraduate
Module credits	0.00
Programmes	MEd Education Management, Law and Policy MEd MEd Adult and Community Education and Training MEd Assessment and Quality Assurance in Education and Training MEd Curriculum and Instructional Design and Development MEd Education Management, Law and Policy MEd Learning Support Guidance and Counselling
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

Development of a research proposal. Research methodology. Overview and principles of quantitative and qualitative research methodology. Data collection methods, data analysis methods, paradigm analysis and theoretical frameworks for educational studies. Global theoretical perspectives in education.

Part 2: Research report 780 (NOS 780)

Qualification	Postgraduate
Module credits	16.00

Programmes	BEdHons Educational Psychology BEdHons Educational Psychology
Prerequisites	NMQ 755
Language of tuition	Module is presented in English
Department	Educational Psychology
Period of presentation	Semester 2

Module content

Supervised research project of limited scope. Application of quantitative and/or qualitative research methods. Writing a research report and presenting a research paper in a team. Classes will be directed towards using real-life examples from educational contexts, through which students learn the theory and methods associated with various approaches to research. It will includea sound foundation in the understanding of meta-theories and the application of the philosophical underpinnings within educational research.

Research supervision 420 (NSV 420)

Qualification	Postgraduate
Module credits	10.00
Programmes	PGCHE PGCHE
Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Semester 2

Module content

Supervision of postgraduate students including themes Research Design, Supervisory Process, Research Policy, Managing Research.

Dissertation: Science, mathematics and technology education 890 (NWT 890)

Qualification	Postgraduate
Module credits	180.00
Programmes	MEd MEd
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Year

Module content

A dissertation conducted under supervision of a supervisor in the area of science, mathematics and technology education.

Science, mathematics and technology education 900 (NWT 900)

Qualification	Postgraduate
Module credits	0.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Year

Thesis: Science, mathematics and technology education 990 (NWT 990)

Qualification	Postgraduate
Module credits	360.00
Programmes	PhD PhD
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Year

Business management 114 (OBS 114)

Qualification	Undergraduate
Module credits	10.00
Programmes	BSc Mathematics BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Humanities Faculty of Natural and Agricultural Sciences
Prerequisites	May not be included in the same curriculum as OBS 155
Contact time	3 lectures per week
Language of tuition	Module is presented in English
Department	Business Management
Period of presentation	Semester 1

Module content

The entrepreneurial mind-set; managers and managing; values, attitudes, emotions, and culture: the manager as a person; ethics and social responsibility; decision making; leadership and responsible leadership; effective groups and teams; managing organizational structure and culture inclusive of the different functions of a generic organisation and how they interact (marketing; finance; operations; human resources and general management); contextualising Sustainable Development Goals (SDG) in each of the topics.

Business management 124 (OBS 124)

Qualification	Undergraduate
Module credits	10.00
Programmes	BSocSci Industrial Sociology and Labour Studies BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Humanities Faculty of Natural and Agricultural Sciences
Prerequisites	Admission to the examination in OBS 114
Contact time	3 lectures per week
Language of tuition	Module is presented in English
Department	Business Management
Period of presentation	Semester 2

Module content

Value chain management: functional strategies for competitive advantage; human resource management; managing diverse employees in a multicultural environment; motivation and performance; using advanced information technology to increase performance; production and operations management; financial management; corporate entrepreneurship.

Business management 210 (OBS 210)

Qualification	Undergraduate
Module credits	16.00
Programmes	BCom Informatics Information Systems BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Natural and Agricultural Sciences
Prerequisites	OBS 114 or 124 with admission to the examination in the other
Language of tuition	Module is presented in English
Department	Business Management
Period of presentation	Semester 1

Module content

Logistics management
The role of logistics in an enterprise; definition and scope of customer service; electronic and other logistics information systems; inventory management; materials management with special reference to Japanese systems; management of the supply chain. Methods of transport and transport costs; types and costs of warehousing; electronic aids in materials handling; cost and price determination of purchases; organising for logistics management; methods for improving logistics performance.

Business management 220 (OBS 220)

Qualification	Undergraduate
Module credits	16.00
Programmes	BCom Informatics Information Systems BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Natural and Agricultural Sciences
Prerequisites	OBS 114 or 124 with admission to the examination in the other. Students from other Faculties are required to have 50% for Mathematics in Grade 12.
Contact time	3 lectures per week
Language of tuition	Module is presented in English
Department	Business Management
Period of presentation	Semester 2

Module content

Project management and negotiations:
Introduction Project management concepts; needs identification; the project, the project manager and the project team; types of project organisations; project communication and documentation. Planning and control: planning, scheduling and schedule control of projects; resource considerations and allocations; cost planning and performance evaluation.
Negotiation and collective bargaining: The nature of negotiation; preparation for negotiation; negotiating for purposes of climate creation; persuasive communication; handling conflict and aggression; specialised negotiation and collective bargaining in the South African context.

Business management 310 (OBS 310)

Qualification	Undergraduate
Module credits	20.00
Programmes	BCom Informatics Information Systems
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	OBS 114 or 124 with admission to the examination in the other
Contact time	3 lectures per week

Language of tuition	Separate classes for Afrikaans and English
Department	Business Management
Period of presentation	Semester 1

Module content

Strategy formulation: the deliberate strategy process of formulating a vision and mission statement, conducting internal and external environmental analyses and selecting appropriate strategies. It will enhance an understanding of the level of strategy formulation, gaining competitive advantage in your market place and thinking strategically.

Business management 320 (OBS 320)

Qualification	Undergraduate
Module credits	20.00
Programmes	BCom Informatics Information Systems
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	OBS 114 or 124 with admission to the examination in the other
Language of tuition	Separate classes for Afrikaans and English
Department	Business Management
Period of presentation	Semester 2

Module content

Strategy execution: Strategic management implementation. The role of management in strategy implementation; budgets as instrument in the implementation process; leading processes of change within enterprises; supporting policies, procedures and information systems for implementation in the various functional areas; evaluation and control of implementation. South African case studies to create contextual relevance.

Educational psychology assessment for learning and development 875 (ODD 875)

Qualification	Postgraduate
Module credits	10.00
Programmes	MEd Educational Psychology (Coursework) MEd Educational Psychology (Coursework)
Prerequisites	No prerequisites.
Contact time	1 lecture every fortnight
Language of tuition	Module is presented in English
Department	Educational Psychology
Period of presentation	Year

Module content

This module focuses on fundamental approaches concerning barriers to learning, with reference to the South African context; theoretical framework(s) for diagnostic assessment in respect of academic achievement difficulties within the South African context; how appraise a battery of neuropsychological tests and to understand which neuropsychological domains they measure; to use standardised tests and informal techniques to assess young children in low resources settings; to assess reading, writing, spelling, numeracy and mathematical skills, study skills, educational and environmental disadvantage; professional skills and values of accountable diagnostic assessment practice and reporting of findings in respect of learners' academic achievement difficulties within the South African context.

Educational psychological learning support 875 (ODH 875)

Qualification	Postgraduate
Module credits	10.00
Programmes	MEd Educational Psychology (Coursework) MEd Educational Psychology (Coursework)
Prerequisites	No prerequisites.
Contact time	1 lecture every fortnight
Language of tuition	Module is presented in English
Department	Educational Psychology
Period of presentation	Year

Module content

Guided by educational psychological assessment for learning and development, the module addresses learning support in Southern Africa: contextualisation; and application of theories for learning support, including evidence-based local knowledge; the learner and learning support; inclusive education; individual and group learning support; micro and macro-level support and preventative programmes; intervention, support and prevention of challenges regarding learners' academic achievement.

Mini-dissertation 895 (ODK 895)

Qualification	Postgraduate
Module credits	120.00
Programmes	MEd Educational Psychology (Coursework) MEd Educational Psychology (Coursework)
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Educational Psychology
Period of presentation	Year

Module content

Educational Psychology dissertation of limited scope conducted under supervision of a supervisor in the area of Career Counselling, Orientation Pedagogics; Educational psychological assessment for learning and development; Educational Psychology Pathways to Emotional & Behavioural Wellbeing; Family-oriented assessment intervention.

Orthodidactics (Psychiatry) 901 (ODK 901)

Qualification	Postgraduate
Module credits	0.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Educational Psychology
Period of presentation	Year

Thesis: Orthodidactics (Psychiatry) 992 (ODK 992)

Qualification	Postgraduate
Module credits	360.00
Programmes	PhD Educational Psychology PhD Educational Psychology
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Educational Psychology
Period of presentation	Year

Educational psychology pathways to emotional and behavioural wellbeing 805 (OPG 805)

Qualification	Postgraduate
Module credits	10.00
Programmes	MEd Educational Psychology (Coursework) MEd Educational Psychology (Coursework)
Prerequisites	No prerequisites.
Contact time	1 lecture every fortnight
Language of tuition	Module is presented in English
Department	School for Teachers Training
Period of presentation	Year

Module content

The educational psychologist within a multi-cultural post-colonial, resource-constrained context; underlying theories and approaches to educational psychological assessment, diagnosis, and intervention aimed at individual functioning in relation to learning and development; and the well-founded use thereof with to prevent/manage emotional and behavioural problems and facilitate resilience; conceptualise theoretical cases therapeutic techniques; and the educational psychologist as a person.

Orthopedagogics (Psychiatry) 901 (OPG 901)

Qualification	Postgraduate
Module credits	0.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Educational Psychology
Period of presentation	Year

Thesis: Orthopedagogics (Psychiatry) 991 (OPG 991)

Qualification	Postgraduate
Module credits	360.00
Programmes	PhD Educational Psychology PhD Educational Psychology
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Educational Psychology
Period of presentation	Year

Educational Psychology Practice 801 (OPR 801)

Qualification	Postgraduate
Module credits	40.00
Programmes	MEd Educational Psychology (Coursework) MEd Educational Psychology (Coursework)
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Educational Psychology
Period of presentation	Year

Module content

Practical module: Apply relevant, evidence-based, Southern African indigenous and global theoretical foundations relating to educational psychological assessment and support of children/youth with emotional, behavioural, learning and/or career-related needs, family oriented educational psychology, group work, (also in school and/or community work settings); conceptualise cases (including formulating clinical impressions, implementation and interpretation of psychological media, making diagnoses, clinical decision-making, and formulating intervention plans that address risks but also harness existing strengths and supports), referrals, report writing, (summary and full reports) feedback sessions with parents, multi-disciplinary liaison, education/guidance, for caregivers and/or school- and/or community-based stakeholders; interviewing skills, ethical issues and the rights of the client. The practice of the educational psychologist (including critical reflection on current debates relating to the psychology profession).

Education 112 (OPV 112)

Qualification	Undergraduate
Module credits	12.00
Programmes	BA Extended programme BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Humanities
Prerequisites	No prerequisites.
Contact time	3 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Humanities Education
Period of presentation	Semester 1

Module content

In this module students are guided to develop knowledge, skills and attitudes with regard to the political, professional, historical and cultural complexities of teaching. Selected themes in the history of South African education will be explored to enable students to think critically about their role as engaged professional educators today.

Education 122 (OPV 122)

Qualification	Undergraduate
Module credits	12.00
Programmes	BA Extended programme BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Humanities
Prerequisites	No prerequisites.

Contact time	3 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Educational Psychology
Period of presentation	Semester 2

Module content

This module focuses on child development and learning. In addition to the underlying principles of developmental psychology and theories of development, child development is discussed in terms of physical growth and motor development; development of perception, cognition and language; emotional development; social development and moral development. Developmental psychopathology is also introduced. In terms of child learning, the principles of learning, theories of learning and barriers to learning are discussed. In addition, school learning is explained in terms of learning, reading and study skills.

Education 212 (OPV 212)

Qualification	Undergraduate
Module credits	20.00
Programmes	BA Languages BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Humanities
Prerequisites	OPV 112 or OPV 122 passed with 40% (GS) in the other module
Contact time	4 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1

Module content

Curriculum in the classroom:
This module addresses four components that are directly related to classroom teaching and learning. The first unit deals with the foundations of the curriculum covering the work done by Rousseau, Pestalozzi, Montessori, Gandhi, Steiner, Dewey, Piaget, Vygotsky, Illich, Freire and Lakoff. Unit two discusses curriculum design and development and also focuses on the organisation of knowledge through educational taxonomies. The last two units cover teaching strategies as well as issues related to classroom testing and classroom assessment practices.

Education 222 (OPV 222)

Qualification	Undergraduate
Module credits	20.00

Programmes	BA Languages BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Humanities
Prerequisites	OPV 112 or OPV 122 passed with 40% (GS) in the other module
Contact time	4 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Educational Psychology
Period of presentation	Semester 2

Module content

Supportive learning environments:
Theoretical approaches to learning environments (bio-ecological and asset-based approaches, indigenous knowledge systems, solution-oriented intervention; appreciative inquiry); school-based support in terms of Inclusive Education, whole-school approach, the supportive role of the teacher and the well-being of the child; community-based support in the form of community engagement and community education.

Education 312 (OPV 312)

Qualification	Undergraduate
Module credits	30.00
Programmes	BA BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Humanities
Prerequisites	OPV 112 or OPV 122 passed with 40% (GS) in the other module
Contact time	4 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Education Management and Policy Studies
Period of presentation	Semester 1

Module content

To gain insight into the global context of the classroom, learners and ideas taught, as well as into the local world and country in which the classroom, learners and school are situated. Diversity and social justice and their importance in the local and global context, as well as their importance for teaching and learning are explored. Through individual and group learning tasks, students come to understand the overlapping themes of globalisation; understanding the nation state and its place in the regional and global world; and the role of technology and the media in globalisation and education. Significant social, political, historical and economic factors influencing the classroom are also investigated. Students collect, organise and critically evaluate information; appreciate the value of diversity in various social contexts; apply problem solving skills to learning tasks; and communicate ideas effectively in group tasks.

Education 322 (OPV 322)

Qualification	Undergraduate
Module credits	30.00
Programmes	BA BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Humanities
Prerequisites	OPV 112 or OPV 122 passed with a 40% (GS) in the other module
Contact time	4 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Department	Education Management and Policy Studies
Period of presentation	Semester 2

Module content

The module deals with the understanding and application of the Bill of Rights in creating a safe and disciplined classrooms. The second theme deals with managing a classroom through relationship building, participative decision-making, effective planning and monitoring, motivation and communication.

Family-oriented intervention 805 (OUB 805)

Qualification	Postgraduate
Module credits	10.00
Programmes	MEd Educational Psychology (Coursework) MEd Educational Psychology (Coursework)
Prerequisites	No prerequisites.
Contact time	1 lecture every fortnight
Language of tuition	Module is presented in English
Department	Educational Psychology
Period of presentation	Year

Module content

Diversity in families; family life cycle development; parameters of family functioning; family resilience models for the analysis of family functioning; family therapy models problems; analysis of families with special concerns, with family-orientated intervention with regard to all these aspects as the central theme.

Dissertation: Education management 890 (OWB 890)

Qualification	Postgraduate
Module credits	180.00
Programmes	MEd Education Management, Law and Policy MEd Education Management, Law and Policy
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Year

Dissertation: Education management and policy studies 891 (OWB 891)

Qualification	Postgraduate
Module credits	180.00
Programmes	MEd MEd
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Year

Module content

A dissertation conducted under supervision of a supervisor in the area of education management and policy studies.

Education management 900 (OWB 900)

Qualification	Postgraduate
Module credits	0.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Year

Education policy studies 905 (OWB 905)

Qualification	Postgraduate

Module credits	0.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Year

Thesis: Education management 990 (OWB 990)

Qualification	Postgraduate
Module credits	360.00
Programmes	PhD Education Management, Law and Policy PhD Education Management, Law and Policy
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Year

Thesis: Education policy studies 995 (OWB 995)

Qualification	Postgraduate
Module credits	360.00
Programmes	PhD Education Policy Studies PhD Education Policy Studies
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Year

Education law 732 (OWR 732)

Qualification	Postgraduate
Module credits	16.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Semester 1 or Semester 2

Module content

Foundations of law and education. Human rights in education (a legal perspective). Labour law in education. School governance. School safety. Learner discipline.

Education law 880 (OWR 880)

Qualification	Postgraduate
Module credits	30.00
Programmes	MEd Educational Leadership (Coursework) MEd Educational Leadership (Coursework)
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Semester 2

Module content

In this module students will become competent in education law matters that impact daily on the life of the school principal. The module will make extensive use of case studies of critical incidents in the school context, including human rights, equity and discrimination. In addition, students gain and learn to apply knowledge of education labour relations, the SACE code of conduct, and international comparative case studies regarding education and the law.

Mini-dissertation 895 (OWR 895)

Qualification	Postgraduate
Module credits	60.00
Programmes	MEd Educational Leadership (Coursework) MEd Educational Leadership (Coursework)
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Semester 1

Module content

Dissertation of limited scope conducted under supervision of a supervisor on any identified and selected problem in the area of education management, law and policy.

Education technology 410 (OWT 410)

Qualification	Postgraduate
Module credits	10.00
Programmes	PGCHE PGCHE
Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Science Mathematics and Technology Education

Period of presentation	Semester 1

Module content

Media as sources of learning. Developing and utilising media by learner. Media and whole brain learning, maximising multiple-intelligences, maximising potential. Lower and higher level technology. Integrating media. Multimedia learning packages.

Education technology 730 (OWT 730)

Qualification	Postgraduate
Module credits	16.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Semester 1

Module content

Media as sources of learning. Developing and utilising media by learner. Media and whole brain learning, maximising mulitiple-intelligences, maximising potential. Lower and higher level technology. Integrating media. Multimedia learning packages.

Professional ethics and law in teaching 410 (PEL 410)

Qualification	Postgraduate
Module credits	6.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	3 tutorials per year, 18 lectures per year
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

PEL 410 deals with professional ethics and aims to develop a positive work ethic within beginner teachers. This module explores and reflects on human rights, environmental and democratic issues impacting on own practices. Critical analysis of education systems (education policy) and its impact on the micro level (in the classroom) in education. Knowledge of the elements of effective school management, systems of discipline and defining activities that promote an awareness of citizenship, human rights and the principles and values of the Constitution. Interpret educational legislation dealing with HIV/Aids, drugs and violence. Identifying and internalising ethical professional educator behaviour (professional ethics in teaching).

Partnerships with family and community 451 (PFC 451)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Quarter 1

Module content

This module explores the role of parents, families and the community in early childhood development and learning and examines the key role of ECE educators/caregivers in involving parents/families and the community in the education and care of their children. The main areas of focus in the module include theories that inform development of relationships with parents/families and the community; family and community contextual factors that impact on the lives of children; parental/community involvement strategies and programmes; and family and community support services and resources within the context of South Africa.

Partnerships with family and community 454 (PFC 454)

Qualification	Undergraduate
Module credits	6.00
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in English
Department	Early Childhood Education
Period of presentation	Quarter 4

Module content

This module focuses on relationships, collaborations and partnerships between the early childhood educators/caregivers and the parents/families/community for the benefit, development, learning and well-being of a child. The module explores Ubuntu as a value and partnerships for working with culturally diverse families and young children within different family structures; strategies for promoting Ubuntu principles with families supporting young children in different ECCE models; working with communities and family in determining their community needs and interests; and effective intervention strategies for working with families, communities and associated resources.

Professional development 400 (PFO 400)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCHE PGCHE

Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Year

Module content

Professional development of higher education practitioners. Self-assessment. Developing the full potential of the practitioner. The role of action research. Developing a professional portfolio.

Professional development 710 (PFO 710)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Teacher Education and Professional Development BEdHons Teacher Education and Professional Development
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Semester 2

Module content

Professional development as educator to optimise independence, interdependence, and self-renewal. Implementing principles of personal vision, personal leadership, personal management, interpersonal leadership, creative cooperation, and balanced self-renewal through action research.

Professional development 733 (PFO 733)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Teacher Education and Professional Development (Distance Education) BEdHons Teacher Education and Professional Development (Distance Education)
Language of tuition	Module is presented in English
Department	Education Deans Office
Period of presentation	Semester 2

Module content

Professional development as educator to optimise independence, interdependence, and self-renewal. Implementing principles of personal vision, personal leadership, personal management, interpersonal leadership, creative cooperation, and balanced self-renewal through action research.

Physical sciences education 730 (PHN 730)

Qualification	Postgraduate
Module credits	16.00

Programmes	BEdHons Teacher Education and Professional Development BEdHons Assessment and Quality Assurance in Education and Training BEdHons Physical Sciences Education BEdHons Teacher Education and Professional Development
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1 or Semester 2

Module content

Instructional strategies; reform in physics and chemistry education; alternative concepts. Curriculum leadership in Physical Sciences Education in multiple contexts.

Physical sciences education 733 (PHN 733)

Qualification	Postgraduate
Module credits	16.00
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Instructional strategies; reform in physics and chemistry education; alternative concepts.

First course in physics 114 (PHY 114)

Qualification	Undergraduate
Module credits	16.00
Programmes	BSc Geography BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	A candidate must have passed Mathematics and Physical Science with at least 60% in the Grade 12 examination
Contact time	1 discussion class per week, 4 lectures per week, 1 practical per week
Language of tuition	Module is presented in English
Department	Physics
Period of presentation	Semester 1

Module content

SI-units. Significant figures. Waves: intensity, superposition, interference, standing waves, resonance, beats, Doppler. Geometrical optics: Reflection, refraction, mirrors, thin lenses, instruments. Physical optics: Young-interference, coherence, diffraction, polarisation. Hydrostatics and dynamics: density, pressure, Archimedes' principle, continuity, Bernoulli. Heat: temperature, specific heat, expansion, heat transfer. Vectors. Kinematics of a point: Relative, projectile, and circular motion. Dynamics: Newton's laws, friction. Work: point masses, gasses (ideal gas law), gravitation, spring, power. Kinetic energy: Conservative forces, gravitation, spring. Conservation of energy. Conservation of momentum. Impulse and collisions. System of particles: Centre of mass, Newton's laws. Rotation: torque, conservation of angular momentum, equilibrium, centre of gravity.

First course in physics 124 (PHY 124)

Qualification	Undergraduate
Module credits	16.00
Programmes	BSc Geography BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	WTW 114 GS and PHY 114 GS
Contact time	4 lectures per week, 1 discussion class per week, 1 practical per week
Language of tuition	Module is presented in English
Department	Physics
Period of presentation	Semester 2

Module content

Simple harmonic motion and pendulums. Coulomb's law. Electric field: dipoles, Gauss' law.Electric potential. Capacitance. Electric currents: resistance, resistivity, Ohm's law, energy, power, emf, RC-circuits. Magnetic Field: Hall-effect, Bio-Savart. Faraday's and Lenz's laws. Oscillations: LR-circuits. Alternating current: RLC-circuits, power, transformers. Introductory concepts to modern physics. Nuclear physics: Radioactivity.

Physics for biology students 131 (PHY 131)

Qualification	Undergraduate
Module credits	16.00
Programmes	BPhysio BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education Faculty of Health Sciences Faculty of Veterinary Science
Prerequisites	A candidate must have passed Mathematics with at least 60% in the Grade 12 examination
Contact time	1 discussion class per week, 1 practical per week, 4 lectures per week

Language of tuition	Module is presented in English
Department	Physics
Period of presentation	Semester 1

Module content

Units, vectors, one dimensional kinematics, dynamics, work, equilibrium, sound, liquids, heat, thermodynamic processes, electric potential and capacitance, direct current and alternating current, optics, modern physics, radio activity.

Physics 133 (PHY 133)

Qualification	Undergraduate
Module credits	8.00
Programmes	BSc Extended programme - Mathematical Sciences
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	Admission to the relevant programme.
Contact time	2 practicals per week, Foundation Course, 2 discussion classes per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Physics
Period of presentation	Semester 1

Module content

Heat: temperature and scales, work, energy and heat, calorimetry, specific heat, expansion, heat transfer. Measurements: SI-units, measuring error and uncertainty, (graphs), significant figures, mathematical modelling.One-dimensional kinematics. Geometrical optics: reflection, refraction, dispersion, mirrors, thin lenses.

Physics 143 (PHY 143)

Qualification	Undergraduate
Module credits	8.00
Programmes	BSc Extended programme - Mathematical Sciences
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	PHY 133
Contact time	Foundation Course, 2 practicals per week, 2 discussion classes per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Physics
Period of presentation	Semester 2

Module content

Vectors. Kinematics of a point: relative motion, projectile, circular motion. Dynamics: Newton’s laws, friction. Work: point masses, ideal gas law, springs, power. Energy: kinetic energy, potential energy, conservative forces, spring, conservation of mechanical energy. Hydrostatics and dynamics: density, pressure, Archimedes' law, continuity, Bernouli.

Physics 144 (PHY 144)

Qualification	Undergraduate
Module credits	8.00
Programmes	BSc Extended programme - Biological and Agricultural Sciences
Service modules	Faculty of Education
Prerequisites	PHY 133
Contact time	Foundation Course, 1 practical per week, 4 lectures per week
Language of tuition	Module is presented in English
Department	Physics
Period of presentation	Semester 2

Module content

The main topics covered in this module are Mechanics and Thermodynamics. Kinematics: Basic types of motion, one-dimensional motion, two- and three dimensional motion, linear momentum and its conservation, multi-object systems and the centre of mass.
Forces: Types of forces, Newton's Laws of Mechanics and applications, friction.
Energy: Work, heat, conservation of mechanical energy.
Thermodynamics: First law of thermodynamics, empirical gas laws, mechanical model of the ideal gas, energy of the ideal gas, basic thermodynamic processes.

Physics 154 (PHY 154)

Qualification	Undergraduate
Module credits	8.00
Programmes	BSc Extended programme - Biological and Agricultural Sciences
Service modules	Faculty of Education
Prerequisites	PHY 143
Contact time	1 practical per week, Foundation Course, 4 lectures per week
Language of tuition	Module is presented in English
Department	Physics
Period of presentation	Semester 1

Module content

The main topic in this module is Electricity, Sound, Optics, and Modern Physics.
Static Electricity: Electric charge and force, electric field, the electric energy, electric potential, conservation of electrical energy.
Flow of charge: Capacitors, application of charge flow to nerves.
Sound: Vibrations, waves in unconfined and confined media, applications to human hearing.
Optics: Reflection, refraction, applications to optometry and ophthalmology.
Atomic physics: Atomic models, x-rays.
Nuclear physics: The stable atomic nucleus, radioactivity, nuclear spin and applications to medical diagnostics.

Waves, thermodynamics and modern physics 255 (PHY 255)

Qualification	Undergraduate
Module credits	24.00
Programmes	BSc Meteorology BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education
Prerequisites	[PHY114 and PHY124] or [PHY171] or [PHY143 and PHY153 and PHY163] and [WTW211#] and [WTW218#]
Contact time	4 lectures per week, 1 practical per week, 2 discussion classes per week
Language of tuition	Module is presented in English
Department	Physics
Period of presentation	Semester 1

Module content

Vibrating systems and waves (14 lectures)
Simple harmonic motion (SHM). Superposition (different frequencies, equal frequencies). Perpendicular vibrations (Lissajous figures). Damped SHM. Forced oscillations. Resonance. Q-value. Transverse wave motion. Plane wave solution using method of separation of variables. Reflection and transmission at a boundary. Normal and eigenmodes. Wave packets. Group velocity.
Modern physics (30 lectures)
Special relativity: Galilean and Lorentz transformations. Postulates. Momentum and energy. 4 vectors and tensors. General relativity. Quantum physics. Failure of classical physics. Bohr model. Particle-wave duality. Schrödinger equation. Piece-wise constant potentials. Tunneling. X-rays. Laser. Nuclear physics: Fission. Fusion. Radioactivity.
Heat and thermodynamics (12 lectures)
Heat. First Law. Kinetic theory of gases. Mean free path. Ideal, Clausius, Van der Waals and virial gases. Entropy. Second Law. Engines and refrigerators. Third Law. Thermodynamic potentials: Enthalpy Helmholtz and Gibbs free energies, Chemical potential. Legendre transformations (Maxwell relations). Phase equilibrium. Gibbs phase rule.
Modelling and simulation (7 practical sessions)
Introduction to programming in a high level system: Concept of an algorithm and the basic logic of a computer programme. Symbolic manipulations, graphics, numerical computations. Applications: Selected illustrative examples.
Error Analysis (7 practical sessions)
Experimental uncertainties. Propagation of uncertainties. Statistical analysis of random uncertainties. Normal distribution. Rejection of data. Least-squares fitting. Covariance and correlation.

General physics 263 (PHY 263)

Qualification	Undergraduate
Module credits	24.00
Programmes	BSc Meteorology BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education
Prerequisites	PHY 255 GS and WTW 218 GS and WTW 220# and WTW 248#
Contact time	1 practical per week, 2 discussion classes per week, 4 lectures per week
Language of tuition	Module is presented in English
Department	Physics
Period of presentation	Semester 2

Module content

Classical mechanics (28 lectures)
Fundamental concepts, energy and angular momentum, calculus of variations and Lagrangian mechanics, conservative central forces and two body problems, scattering, mechanics in rotating reference frames, many body systems.
Physical Optics (14 lectures)
Maxwell’s equations, wave equation and plane wave solution, coherence, interference, diffraction, polarisation.
Physics of Materials (14 lectures)
Classification of materials. Atomic bonding. Crystallography. Defects. Material strength. Phase diagram's, Ceramics. Polymers. Composites. Fracture. Electrical and magnetic properties. Semiconductors. Smart materials Nanotechnology.
Experiments (14 sessions)

Electronics, electromagnetism and quantum mechanics 356 (PHY 356)

Qualification	Undergraduate
Module credits	36.00
Programmes	BSc Meteorology
Service modules	Faculty of Education
Prerequisites	PHY 255 GS and PHY 263 GS and WTW 211 GS and WTW 218 GS and WTW 248 GS
Contact time	4 lectures per week, 1 practical per week, 2 discussion classes per week
Language of tuition	Module is presented in English
Department	Physics
Period of presentation	Semester 1

Module content

Electronics (14 lectures)
Thévenin and Norton equivalent circuits, superposition principle, RC, LC and LRC circuits. Semiconductor diode. Bipolar transistor. Operational amplifiers. Computer controlled instrumentation.
Electromagnetism (21 lectures)
Electrostatics: Coulomb's law, divergence and curl of E, Gauss' law, Laplace's equation, image charge problems, multipole expansion.
Magnetostatics: Lorenz force, Biot-Savart law, divergence and curl of magnetic field strength, Ampère's law, magnetic vector potential, multipole expansion, boundary conditions.
Electrodynamics: Electromotive force, electromagnetic induction, Maxwell's equations, wave equation.
Electric and magnetic fields in matter: Polarisation, electric displacement and Gauss's law in dielectrics, linear dielectrics. Magnetisation (diamagnets, paramagnets, ferromagnets), auxiliary field H and Ampère's law in magnetised materials, linear and nonlinear media.
Quantum mechanics (28 lectures)
The Schrödinger equation, the statistical interpretation of the wave function, momentum, the uncertainty principle, the time-independent Schrödinger equation, stationary states, the infinite square well potential, the harmonic oscillator, the free particle, the Delta-Function potential, the finite square well potential, Hilbert spaces, observables, eigen functions of a Hermitian operator, Dirac notation, the Schrödinger equation in spherical coordinates, the hydrogen atom, angular momentum spin.

Statistical mechanics, solid state physics and modelling 364 (PHY 364)

Qualification	Undergraduate
Module credits	36.00
Programmes	BSc Meteorology
Service modules	Faculty of Education
Prerequisites	PHY 356 and WTW 211 and WTW 218 and WTW 248 GS
Contact time	2 practicals per week, 2 discussion classes per week, 4 lectures per week
Language of tuition	Module is presented in English
Department	Physics
Period of presentation	Semester 2

Module content

Statistical mechanics (28 lectures)
Isolated systems in thermodynamical equilibrium. Systems in equilibrium with a heat bath: the canonical ensemble, Gibbs' entropic formula, classical statistical mechanics, energy equipartition theorem, thermodynamic potentials, paramagnetism.
The classical limit of perfect gases: non-distinguishable character of quantum particles, the equation of state of the classical ideal gas. Quantum perfect gases: Black body radiation, the grand canonical ensemble, Fermi-Dirac distribution, the free electron gas in metals, the Bose-Einstein distribution, Bose-Einstein condensation.
Solid state physics (28 lectures)
Crystal structures, the reciprocal lattice, x-ray diffraction, lattice vibration, the Debye model, characteristics of solids, the free electron model, Pauli paramagnetism, electronic heat capacity, the relaxation time, electrical conduction, the classical Hall effect, thermal conduction in metals, failures of the free electron model, the independent electron model, band theory of solids.
Computational Physics and modelling. Assessment will be done through a portfolio of project reports. The topics for the projects will be selected from various sub-disciplines of Physics.

Professional development 401 (PPF 401)

Qualification	Postgraduate
Module credits	8.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements
Contact time	4 tutorials per year, 24 lectures per year
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

This module is specifically designed to facilitate the integration of all content in the PGCE course. The principle objective of this module is to assist in your holistic development as a professional teacher. The purpose of this module is to introduce students to professional practice within the school context. Secondly, the aim is to facilitate assimilation and connection between knowledge and skills that have been obtained in the PGCE course as a whole. This is done in order for student-teachers to create a personalised and integrated professional practice theory. Through this development student-teachers then practice the skill of being reflective practitioners.

Teaching practice 280 (PRO 280)

Qualification	Undergraduate
Module credits	6.00

Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	3 weeks, attendance only
Language of tuition	Separate classes for Afrikaans and English
Department	Humanities Education
Period of presentation	Quarter 1

Module content

This is an official full time module where students experience the professional school environment during the first three weeks of the school year. The main focus is on observation of general classroom practice, school administration, extra - mural activities and to act as responsible citizens of the school environment and students have to prepare a professional portfolio. The module includes an observation assignment as well as a reflection on what they have experienced with the designated teachers. Placements for this module may be in schools outside Pretoria.

Teaching practice 380 (PRO 380)

Qualification	Undergraduate
Module credits	6.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	3 weeks, attendance only
Language of tuition	Separate classes for Afrikaans and English
Department	Humanities Education
Period of presentation	Quarter 1

Module content

This is an official full time module where students engage in teaching within the professional school environment under the supervision of an experienced mentor teacher for a period of three weeks at the beginning of the school year. The main focus is on general classroom practice, school administration, extra - mural activities and to act as responsible citizens of the school environment. The students have to compile a professional portfolio and prepare and facilitate a prescribed number of lessons and these are formally assessed by the school. Placements for this module may be in schools outside Pretoria.

Teaching practice 400 (PRO 400)

Qualification	Undergraduate

Module credits	60.00
Prerequisites	Can only be taken in the final year of study
Language of tuition	Separate classes for Afrikaans and English
Department	Humanities Education
Period of presentation	Year

Module content

? is an official, full time module for which no student may be remunerated;
? takes place in schools for two school terms (term 2 in semester 1 and term 3 in semester 2), including on campus orientation and reflection sessions;
? requires that final year students are divided in either a Block A group or a Block B group;
? requires Block A students to be placed at schools in Pretoria during term 2 for their controlled teaching practice and will be assessed by mentor lecturers (university staff);
? requires Block B students to be placed in the remaining available places at schools in Pretoria during term 2 after the placement of the Block A students, or they can do their teaching practice at schools outside Pretoria and will be assessed by mentor teachers and schools;
? requires Block B students to be placed at schools in Pretoria during term 3 for their controlled teaching practice and will be assessed by mentor lecturers (university staff);
? requires Block A students to be placed in the remaining available places at schools in Pretoria during term 3 after the placement of the Block B students, or they can do their teaching practice at schools outside Pretoria and will not be assessed by mentor teachers and schools;
? follows a mentorship model which requires students to be placed under the full-time, continuous supervision of a qualified mentor teacher;
? includes the presentation of learning activities and participation in related school- and community activities and;
? requires students to be assessed on a continuous basis by schools and university staff (controlled teaching practice) or schools (uncontrolled teaching practice).

Teaching Practice 410 (PRO 410)

Qualification	Postgraduate
Module credits	12.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	Acceptable academic performance in applicable specialization module.
Contact time	20 other contact sessions per week
Language of tuition	Separate classes for Afrikaans and English

Department	Humanities Education
Period of presentation	Quarter 2

Module content

This is the first official full-time module where students fully engage in teaching within the professional school environment under the mentorship of an experienced teacher as well as an experienced mentor lecturer for a period of 6 weeks in the second term of the school year. The students need to take responsibility for individual and solo teaching in their respective specialization courses. The main focus is on general classroom practice, school administration, extra-mural activities and to act as responsible citizens within the school environment.

Teaching Practice 420 (PRO 420)

Qualification	Postgraduate
Module credits	12.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	Acceptable academic performance in applicable specialization module.
Contact time	20 other contact sessions per week, 2 practicals per week
Language of tuition	Separate classes for Afrikaans and English
Department	Humanities Education
Period of presentation	Quarter 3

Module content

This is the first official full-time module where students fully engage in teaching within the professional school environment under the mentorship of an experienced teacher as well as an experienced mentor lecturer for a period of 6 weeks in the third term of the school year. The students need to take responsibility for individual and solo teaching in their respective specialization courses. The main focus is on general classroom practice, school administration, extra-mural activities and to act as responsible citizens within the school environment.

Teaching practice 452 (PRO 452)

Qualification	Undergraduate
Module credits	28.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	PRO 280 and PRO 380 passed.
Contact time	8 weeks, attendance only
Language of tuition	Separate classes for Afrikaans and English
Department	Humanities Education

Period of presentation	Quarter 2

Module content

This is an official full time module where students engage in teaching within the professional school environment under the mentorship of an experienced mentor teacher as well as an experienced mentor lecturer for a period of 8 weeks in the second term of the school year. The main focus is on general classroom practice, school administration, extra - mural activities and to act as responsible citizens of the school environment. The students have to prepare a professional portfolio and facilitate a prescribed number of lessons and these are formally assessed by the school as well as an experienced designated mentor lecturer. Placements for this module will only be in schools in the Pretoria area. Supportive micro teaching lessons will take place before, during and after the teaching practice PRO 452.

Teaching practice 453 (PRO 453)

Qualification	Undergraduate
Module credits	28.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	PRO 280 and PRO 380 passed.
Contact time	8 weeks, attendance only
Language of tuition	Separate classes for Afrikaans and English
Department	Humanities Education
Period of presentation	Quarter 3

Module content

This is an official full-time module where students fully engage in teaching within the professional school environment under the mentorship of an experienced mentor teacher as well as an experienced mentor lecturer for a period of 8 weeks in the third term of the school year. The main focus is on general classroom practice, school administration, extra - mural activities and to act as responsible citizens of the school environment. The students have to prepare a professional portfolio and facilitate a prescribed number of lessons and these are continuously formally assessed by the school. The professional portfolio will be assessed by the designated mentor lecturer. Placements for this module can take place in schools nationally or internationally.

Teaching practice 455 (PRO 455)

Qualification	Undergraduate
Module credits	28.00
Prerequisites	PRO 280 and PRO 380 passed.
Contact time	8 weeks, attendance only
Language of tuition	Separate classes for Afrikaans and English
Department	Humanities Education

Period of presentation	Quarter 3

Module content

This is an official full-time module where students fully engage in teaching within the professional school environment under the mentorship of an experienced mentor teacher as well as an experienced mentor lecturer for a period of 8 weeks in the third term of the school year. The main focus is on general classroom practice, school administration, extra - mural activities and to act as responsible citizens of the school environment. The students have to prepare a professional portfolio and facilitate a prescribed number of lessons and these are continuously formally assessed by the school. The professional portfolio will be assessed by the designated mentor lecturer. Placements for this module can take place in schools nationally or internationally.

Policy studies in education 733 (PSE 733)

Qualification	Postgraduate
Module credits	16.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Semester 1

Module content

What is policy? Globalisation and education policy. Education policy-making in South Africa. The South African policy context. The politics of policy making. Policy implementation.

Quality assurance structures and policies 712 (QPI 712)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Assessment and Quality Assurance in Education and Training BEdHons Assessment and Quality Assurance in Education and Training
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

The module provides knowledge on quality assurance, assessment and accreditation requirements within the context of the national education and training system. The focus is the legislative base, policies and structures of national and international accreditation and quality assurance bodies.

Theory of religion 110 (REL 110)

Qualification	Undergraduate
Module credits	12.00
Programmes	BA Extended programme BEd Senior Phase and Further Education and Training Teaching

Service modules	Faculty of Education Faculty of Humanities
Prerequisites	No prerequisites.
Contact time	1 discussion class per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Religion Studies
Period of presentation	Semester 1

Module content

What is religion? The functions of religion. Studying religion. Perspectives on religion. Common concepts and key terms in various religions will be dealt with - also generic dimensions and aspects. The interdependence of religion, culture and society.

Kaleidoscope of religions 120 (REL 120)

Qualification	Undergraduate
Module credits	12.00
Programmes	BA Extended programme BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education Faculty of Humanities
Prerequisites	No prerequisites.
Contact time	1 discussion class per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Religion Studies
Period of presentation	Semester 2

Module content

The occurrence of religion in societies. Types of religion. Primal religions. Christianity, Judaism, Islam. A variety of religions will be addressed: capita selecta will be made from Christianity; Hinduism; Buddhism; New Religions; New Age; main developments in the world and South Africa.

Dynamics of religion 210 (REL 210)

Qualification	Undergraduate
Module credits	20.00
Programmes	BPolSci Political Studies BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education Faculty of Humanities
Prerequisites	No prerequisites.

Contact time	2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Religion Studies
Period of presentation	Semester 1

Module content

Investigating the method of Phenomenology as way of studying religions. Focussing on African Christianity and the phenomenon of African Independent Churches. Highlighting Prosperity Theology as phenomenon in Africa. Exploring the place of land, water and the city within religion in Africa

Ancient religions and health 220 (REL 220)

Qualification	Undergraduate
Module credits	20.00
Programmes	BPolSci Political Studies BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education Faculty of Humanities
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Religious Studies
Period of presentation	Semester 2

Module content

Ancient religions and Health:
Exploring ancient religions (Egyptian, Greek, Roman, Zoroastranism, Aztec, Inca and Mayan) and health. Exploring the San religious treatment of health matters. The relationship magic and religion is investigated.

Material religion 310 (REL 310)

Qualification	Undergraduate
Module credits	30.00
Programmes	BPolSci Political Studies BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education Faculty of Humanities
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Religious Studies

Period of presentation	Semester 1

Module content

The function of myths and rites in current society is investigated. The relation between religion and art is explored. The place and function of music in religion is investigated. The way in which holy texts are interpreted (scriptural reasoning) within different religions is explored.

Sociology of religion 320 (REL 320)

Qualification	Undergraduate
Module credits	30.00
Programmes	BPolSci Political Studies BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education Faculty of Humanities
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Religious Studies
Period of presentation	Semester 2

Module content

The following social themes are addressed: Religion and Media; Religion and Ecology; Religion and Xenophobia; Religion and Homophobia; Religion and Violence; Religion and Gender equality; the possibility of Inter-religious dialogue.

Computer Assisted Education 710 (RGO 710)

Qualification	Postgraduate
Module credits	12.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Curriculum Studies
Period of presentation	Historical

Computer application technology 330 (RTT 330)

Qualification	Undergraduate
Module credits	20.00
Prerequisites	RTT 230
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education

Period of presentation	Semester 1

Module content

Integrated office suites, advanced components: Presentation, spreadsheet packages. Databases: Database concepts, tables and relationships, forms, reports. Web applications. Open source operating and network systems, installation and maintenance.

Computer application technology 340 (RTT 340)

Qualification	Undergraduate
Module credits	20.00
Prerequisites	RTT 240
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Computer supported learning: Learning management systems. Evaluating educational technology. Evaluating the effectiveness of technology integration. Ethics and the information age. Emerging technologies. Mobile technologies. Web technologies.

Sciences curriculum 731 (SCU 731)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Teacher Education and Professional Development BEdHons Assessment and Quality Assurance in Education and Training BEdHons Life Sciences Education BEdHons Mathematics Education BEdHons Physical Sciences Education BEdHons Teacher Education and Professional Development BEdHons Technology Education
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

The nature of the natural sciences, technology and mathematics: public understanding of scientific, mathematical and technological endeavours and their impact on society. Ethical implications of practices and advances in these fields. Indigenous Knowledge Systems (IKS), ethno-mathematics and technologies and ways of knowing. Implications for teaching and learning content, and anticipated outcomes. The purpose and nature of curricula to develop scientific ways of understanding the world.

Sciences curriculum 733 (SCU 733)

Qualification	Postgraduate

Module credits	16.00
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

The nature of the natural sciences, technology and mathematics: public understanding of scientific, mathematical and technological endeavours and their impact on society. Ethical implications of practices and advances in these fields. Indigenous Knowledge Systems (IKS), ethno-mathematics and technologies and ways of knowing. Implications for teaching and learning content, and anticipated outcomes. The purpose and nature of curricula to develop scientific ways of understanding the world.

Sepedi for beginners 110 (SEP 110)

Qualification	Undergraduate
Module credits	12.00
Programmes	BDietetics BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education Faculty of Health Sciences
Prerequisites	No prerequisites.
Contact time	1 discussion class per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	African Languages
Period of presentation	Semester 1 and Semester 2

Module content

*For absolute beginners only.
*Only students from the School of Healthcare Sciences may take this module during semester 2. All other students must take this module during semester 1. Also note that students from the School of Healthcare Sciences, who already possess the language skills taught in this module, may write an exemption examination. The acquisition of basic Sepedi communicative skills with emphasis on everyday expressions and suitable high frequency vocabulary, within specific social situations.

Introduction to Sepedi grammar - Capita Selecta 111 (SEP 111)

Qualification	Undergraduate
Module credits	12.00

Programmes	BA Extended programme BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in Sepedi
Department	African Languages
Period of presentation	Semester 1

Module content

*For speakers of Sepedi as home language or first or second additional language.
Aspects of the grammar of Sepedi such as an introduction to the word categories; an introduction to the structure, meaning and use of the noun, the adjective, the relative, the possessive; the verb; writing and spelling rules; dictionaries and dictionary use; grammatical analysis.

Sepedi 120 (SEP 120)

Qualification	Undergraduate
Module credits	12.00
Programmes	BA Extended programme BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education
Prerequisites	SEP 110
Contact time	1 discussion class per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	African Languages
Period of presentation	Semester 2

Module content

Sepedi - communication and grammar
The acquisition of more advanced communication skills in further social situations. More extensive vocabulary and more advanced language structures are acquired and used. Further awareness of the nature and function of language structures. Writing and spelling rules. Dictionaries and dictionary use. Reading and comprehension of basic texts.

Sepedi 210 (SEP 210)

Qualification	Undergraduate

Module credits	20.00
Programmes	BPolSci Political Studies BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education
Prerequisites	SEP 110, SEP 120
Contact time	1 discussion class per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	African Languages
Period of presentation	Semester 1

Module content

Sepedi - communication and grammar
The acquisition of advanced communication skills in further social, occupational and educational situations. More extensive vocabulary and advanced language structures are acquired and used. Heightened awareness of the nature and function of language structures.
Sepedi - reading and writing
Writing of coherent, idiomatic and grammatically correct texts in order to impart ideas and information for a selected range of communicative purposes. Writing entails creative writing as well as reduplication. Reading and comprehension of texts which contain reasonably extensive vocabularies and a relatively large variation of language structures. Commence with the reading of fairly simple literary works. Students are also further trained in the use of the dictionary.

Sepedi grammar – Capita selecta 211 (SEP 211)

Qualification	Undergraduate
Module credits	20.00
Programmes	BPolSci Political Studies BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	SEP 111, AFT 121
Contact time	2 lectures per week
Language of tuition	Module is presented in Sepedi
Department	African Languages
Period of presentation	Semester 1

Module content

Aspects of the grammar of Sepedi such as a continuation of the study of the word categories; grammatical analysis; the structure, meaning and use of the pronoun and the enumerative; an introduction to Sepedi speech sounds/phonetics.

Sepedi 220 (SEP 220)

Qualification	Undergraduate
Module credits	20.00
Programmes	BPolSci Political Studies BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education
Prerequisites	SEP 210
Contact time	1 discussion class per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	African Languages
Period of presentation	Semester 2

Module content

Sepedi - communication, grammar, reading and writing
The further acquisition of advanced communication skills in further social, occupational and educational situations. More extensive vocabulary and advanced language structures are acquired and used. Heightened awareness of the nature and function of language structures. Continuation of the writing of coherent, idiomatic and grammatically correct texts in order to impart ideas and information for a range of communicative purposes. An introduction to Sepedi speech sounds / phonetics. Reading and comprehension of texts which contain more extensive vocabularies and a larger variation of language structures. Reading of further literary works.

Sepedi 310 (SEP 310)

Qualification	Undergraduate
Module credits	30.00
Programmes	BPolSci Political Studies BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	SEP 210, SEP 220 will be required for students who completed SEP 110, SEP 120 at year level 1 and SEP 211, AFT 220 will be required for students who completed SEP 111, AFT 121 at year level 1
Contact time	2 lectures per week, 1 discussion class per week
Language of tuition	Module is presented in Sepedi

Department	African Languages
Period of presentation	Semester 1

Module content

Sepedi grammar - Capita selecta
Aspects of the grammar of Sepedi such as a continuation of the study of the word categories; grammatical analysis; more intensive study of the structure, meaning and use of the noun (specifically derived nouns) and verb (specifically moods and verbal extensions); an introduction to the sound changes / phonology of Sepedi. The acquisition and inculcation of advanced communicative skills within a larger number of social, occupational and educational situations. Awareness of the nature and function of language structures is heightened further. Attention is also paid to cultural phenomena.

Psychology 110 (SLK 110)

Qualification	Undergraduate
Module credits	12.00
Programmes	BPhysio BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Health Sciences Faculty of Natural and Agricultural Sciences
Prerequisites	No prerequisites.
Contact time	2 lectures per week, 2 discussion classes per week
Language of tuition	Module is presented in English
Department	Psychology
Period of presentation	Semester 1

Module content

This module is a general orientation to Psychology. An introduction is given to various theoretical approaches in Psychology, and the development of Psychology as a science is discussed. Selected themes from everyday life are explored and integrated with psychological principles. This module focuses on major personality theories. An introduction is given to various paradigmatic approaches in Psychology.

Psychology 120 (SLK 120)

Qualification	Undergraduate
Module credits	12.00
Programmes	BOccTher BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Health Sciences Faculty of Natural and Agricultural Sciences

Prerequisites	No prerequisites.
Contact time	2 discussion classes per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Psychology
Period of presentation	Semester 2

Module content

This module introduces the student to a basic knowledge and understanding of the biological basis of human behaviour. The module addresses the key concepts and terminology related to the biological subsystem, the rules and principles guiding biological psychology, and identification of the interrelatedness of different biological systems and subsystems. In this module various cognitive processes are studied, including perception, memory, thinking, intelligence and creativity. Illustrations are given of various thinking processes, such as problem solving, critical, analytic and integrative thinking.

Part 2: Research report 780 (SMP 780)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons BEdHons BEdHons Life Sciences Education BEdHons Mathematics Education BEdHons Physical Sciences Education BEdHons Technology Education
Prerequisites	NMQ 755
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 2

Module content

Supervised research project of limited scope. Research proposal development; Use quantitative and/or qualitative methods. Writing a research report.

Art and culture 403 (SPH 403)

Qualification	Postgraduate
Module credits	12.00
Prerequisites	No prerequisites.
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Year

Module content
In this learning area the focus embraces the spiritual, material, intellectual and emotional aspects of the different arts and cultures. Fostering a holistic approach to understanding and affirming the diversity of cultures as a way of communicating social order and structure through facilitating learning.

Languages 411 (SPH 411)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Senior Phase and Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	60 lectures per year, 12 tutorials per year
Language of tuition	Separate classes for Afrikaans and English
Department	Humanities Education
Period of presentation	Year

Module content

Home Language teaching entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents: The Home Language level provides for language proficiency that reflects the basic interpersonal communication skills required in social situations and the cognitive academic skills essential for learning across the curriculum. Both communicative and text-based approaches in Language teaching will be unpacked in detail. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Mathematics 412 (SPH 412)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Senior Phase and Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	60 lectures per year, 12 tutorials per year
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Year

Module content

SPH 412 entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. Mathematics in the Senior Phase covers five Content Areas including numbers, operations and relationships; patterns, functions and algebra; space and shape (Geometry); measurement and data handling. With the 5 content areas as backdrop, student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Art and culture 413 (SPH 413)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Senior Phase and Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	60 lectures per year, 12 tutorials per year
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

SPH 413 entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents: student-teachers are trained to provide exposure to and study of a range of art forms including dance, drama, music and visual arts (including design and crafts). Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Social sciences 414 (SPH 414)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Senior Phase and Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	60 lectures per year, 12 tutorials per year
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

SPH 414 entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. This Social Sciences curriculum aims to provide opportunities for learners to look at their own worlds with fresh, critical eyes and perhaps more importantly, it aims to introduce learners to a world beyond their everyday realities. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Life orientation 415 (SPH 415)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Senior Phase and Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	12 tutorials per year, 60 lectures per year
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

The focus of SPH 415 is to build the confidence of prospective Life Skills teachers so that they are able to attend to needs, values, beliefs and responsibilities empowering learners to make informed decisions and to use characteristics that have been identified through research to bring about positive behaviour change and management. Student-teachers develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment. Student teachers are expected to create and gather age-appropriate resource materials as part of their final assessment in this course.

Economic and management sciences 416 (SPH 416)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Senior Phase and Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	60 lectures per year, 12 tutorials per year
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

SPH 416 focuses on an intensive study of the Curriculum and Assessment Policy Statement (CAPS) relating to the teaching Financial literacy, the economy and entrepreneurship to learners in the Senior Phase EMS learning. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Natural sciences 417 (SPH 417)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Senior Phase and Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	60 lectures per year, 12 tutorials per year
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Year

Module content

SPH 417 aims to prepare student teachers to inspire, fascinate and challenge learners to engage and commit themselves to understand, explore and take responsibility for the natural world and acquire the skills of observation and testing. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Technology 418 (SPH 418)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Senior Phase and Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	60 lectures per year, 12 tutorials per year
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Year

Module content

SPH 418 is uniquely designed to equip prospective SP Technology teachers to teach learners in terms of the following aspects: the Design Process, Investigation and Designing, making and evaluating and presenting (communication). Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Statistics 110 (STK 110)

Qualification	Undergraduate
Module credits	13.00
Programmes	BAdmin Public Management and International Relations BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Humanities Faculty of Natural and Agricultural Sciences
Prerequisites	At least 5 (60-69%) in Mathematics in the Grade 12 examination. Candidates who do not qualify for STK 110 must register for STK 113 and STK 123
Contact time	1 practical per week, 1 tutorial per week, 3 lectures per week
Language of tuition	Module is presented in English
Department	Statistics
Period of presentation	Semester 1

Module content

Descriptive statistics:
Sampling and the collection of data; frequency distributions and graphical representations. Descriptive measures of location and dispersion.
Probability and inference:
Introductory probability theory and theoretical distributions. Sampling distributions. Estimation theory and hypothesis testing of sampling averages and proportions (one and two-sample cases). Identification, use, evaluation and interpretation of statistical computer packages and statistical techniques.

Statistics 113 (STK 113)

Qualification	Undergraduate
Module credits	11.00
Programmes	BAdmin Public Management and International Relations BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education Faculty of Humanities Faculty of Natural and Agricultural Sciences
Prerequisites	No prerequisites.

Contact time	3 lectures per week, 1 tutorial per week, 1 practical per week
Language of tuition	Module is presented in English
Department	Statistics
Period of presentation	Semester 1

Module content

*On its own, STK 113 and 123 will not be recognised for degree purposes, but exemption will be granted for STK 110.
Data operations and transformations:
Introductory concepts, the role of statistic, various types of data and the number system. Concepts underlying linear, quadratic, exponential, hyperbolic, logarithmic transformations of quantitative data, graphical representations, solving of equations, interpretations. Determining linear equations in practical situations. Characteristics of logarithmic functions. The relationship between the exponential and logarithmic functions in economic and related problems. Systems of equations in equilibrium. Additional concepts relating to data processing, functions and inverse functions, sigma notation, factorial notation, sequences and series, inequalities (strong, weak, absolute, conditional, double) and absolute values.
Descriptive statistics – Univariate:
Sampling and the collection of data, frequency distributions and graphical representations. Descriptive measures of location and dispersion. Introductory probability theory. Identification, use, evaluation and interpretation of statistical computer packages and statistical techniques.
The weekly one hour practical is presented during the last seven weeks of the semester.

Statistics 120 (STK 120)

Qualification	Undergraduate
Module credits	13.00
Programmes	BAdmin Public Management and International Relations BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Humanities Faculty of Natural and Agricultural Sciences
Prerequisites	STK 110 GS or both STK 113 GS and STK 123 GS or both WST 133 and WST 143 or STK 133 and STK 143
Contact time	1 practical per week, 3 lectures per week, 1 tutorial per week
Language of tuition	Module is presented in English
Department	Statistics
Period of presentation	Semester 2

Module content

Multivariate statistics:
Analysis of variance, categorical data analysis, distribution-free methods, curve fitting, regression and correlation, the analysis of time series and indices.
Statistical and economic applications of quantitative techniques:
Systems of linear equations: drafting, matrices, solving and application. Optimisation; linear functions (two and more independent variables), non-linear functions (one and two independent variables). Marginal and total functions. Stochastic and deterministic variables in statistical and economic context: producers' and consumers' surplus, distribution functions, probability distributions, probability density functions. Identification, use, evaluation, interpretation of statistical computer packages and statistical techniques.
This module is also presented as an anti-semester bilingual module.

Statistics 123 (STK 123)

Qualification	Undergraduate
Module credits	12.00
Programmes	BAdmin Public Management and International Relations BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education Faculty of Humanities Faculty of Natural and Agricultural Sciences
Prerequisites	STK 113 GS
Contact time	3 lectures per week, 1 tutorial per week, 1 practical per week
Language of tuition	Module is presented in English
Department	Statistics
Period of presentation	Semester 2

Module content

*On its own, STK 113 and 123 will not be recognized for degree purposes, but exemption will be granted for STK 110.
Optimisation techniques with economic applications: Data transformations and relationships with economic applications, operations and rules, linear, quadratic, exponential, hyperbolic and logarithmic functions; systems of equations in equilibrium, system of linear inequalities, solving of linear programming problems by means of the graphical and extreme point methods. Applications of differentiation and integration in statistic and economic related problems: the limit of a function, continuity, rate of change, the derivative of a function, differentiation rules, higher order derivatives, optimisation techniques, the area under a curve and applications of definite integrals. Probability and inference: Theoretical distributions. Sampling distributions. Estimation theory and hypothesis testing of sampling averages and proportions (one-sample and two-sample cases). Identification, use, evaluation and interpretation of statistical computer packages and statistical techniques. The weekly one hour practical is presented during the last seven weeks of the semester.

Setswana for beginners 110 (STW 110)

Qualification	Undergraduate

Module credits	12.00
Programmes	BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	No prerequisites.
Contact time	1 discussion class per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	African Languages
Period of presentation	Semester 1

Module content

* For absolute beginners only.

The acquisition of basic Setswana communicative skills with emphasis on everyday expressions and suitable high frequency vocabulary within specific social situations.

Introduction to Setswana grammar – capita selecta 111 (STW 111)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Contact time	2 lectures per week
Language of tuition	Module is presented in Setswana
Department	African Languages
Period of presentation	Semester 1

Module content

*For speakers of Setswana as home language or first or second additional language. Aspects of the grammar of Setswana such as an introduction to the word categories; an introduction to the structure, meaning and use of the noun, the adjective, the relative, the possessive; the verb; writing and spelling rules; dictionaries and dictionary use; grammatical analysis.

Setswana 120 (STW 120)

Qualification	Undergraduate
Module credits	12.00
Programmes	BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	STW 110

Contact time	2 lectures per week, 1 discussion class per week
Language of tuition	Module is presented in English
Department	African Languages
Period of presentation	Semester 2

Module content

Setswana – communication and grammar
The acquisition of more advanced communication skills in further social situations. More extensive vocabulary and more advanced language structures are acquired and used. Further awareness of the nature and function of language structures. Writing and spelling rules. Dictionaries and dictionary use. Reading and comprehension of basic texts.

Setswana 210 (STW 210)

Qualification	Undergraduate
Module credits	20.00
Programmes	BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	STW 110, STW 120
Contact time	1 discussion class per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	African Languages
Period of presentation	Semester 1

Module content

Setswana – communication and grammar
The acquisition of advanced communication skills in further social, occupational and educational situations. More extensive vocabulary and advanced language structures are acquired and used. Heightened awareness of the nature and function of language structures.
Setswana – reading and writing
Writing of coherent, idiomatic and grammatically correct texts in order to impart ideas and information for a selected range of communicative purposes. Writing entails creative writing as well as reduplication. Reading and comprehension of texts which contain reasonably extensive vocabularies and a relatively large variation of language structures. Commence with the reading of fairly simple literary works. Students are also further trained in the use of the dictionary.

Setswana Grammar – Capita Selecta 211 (STW 211)

Qualification	Undergraduate
Module credits	20.00
Programmes	BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching

Prerequisites	AFT 121, STW 111
Contact time	2 lectures per week
Language of tuition	Module is presented in Setswana
Department	African Languages
Period of presentation	Semester 1

Module content

Aspects of the grammar of Setswana such as a continuation of the study of the word categories; grammatical analysis; the structure, meaning and use of the pronoun and the enumerative; an introduction to Setswana speech sounds/phonetics.

Setswana 220 (STW 220)

Qualification	Undergraduate
Module credits	20.00
Programmes	BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Prerequisites	STW 210
Contact time	2 lectures per week, 1 discussion class per week
Language of tuition	Afrikaans and English are used in one class
Department	African Languages
Period of presentation	Semester 2

Module content

Setswana – communication, grammar, reading and writing
The further acquisition of advanced communication skills in further social, occupational and educational situations. More extensive vocabulary and advanced language structures are acquired and used. Heightened awareness of the nature and function of language structures. Continuation of the writing of coherent, idiomatic and grammatically correct texts in order to
impart ideas and information for a range of communicative purposes. An introduction to Setswana speech sounds/phonetics. Reading and comprehension of texts which contain more extensive vocabularies and a larger variation of language structures. Reading of further literary works.

Setswana 310 (STW 310)

Qualification	Undergraduate
Module credits	30.00
Programmes	BA Law BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education

Prerequisites	STW 210, STW 220 will be required for students who completed STW 110, STW 120 at year level 1 and AFT 220, STW 211 will be required for students who completed AFT 121, STW 111 at year level 1.
Contact time	1 discussion class per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	African Languages
Period of presentation	Semester 1

Module content

Setswana grammar - Capita selecta
Aspects of the grammar of Setswana such as a continuation of the study of the word categories; grammatical analysis; more intensive study of the structure, meaning and use of the noun (specifically derived nouns) and verb (specifically moods and verbal extensions); an introduction to the sound changes / phonology of Setswana. The acquisition and inculcation of advanced communicative skills within a larger number of social, occupational and educational situations. Awareness of the nature and function of language structures is heightened further. Attention is also paid to cultural phenomena.

Design and technology education 730 (TNO 730)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Teacher Education and Professional Development BEdHons Assessment and Quality Assurance in Education and Training BEdHons Teacher Education and Professional Development BEdHons Technology Education
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Semester 1 or Semester 2

Module content

Philosophy of Technology and Design Science. Design Science is examined from an information processing point of view. The unique nature of Technology is explored and the relationships between Technology, Design and Natural Science are drawn with a particular focus on social technological understanding.

Academic orientation 109 (UPO 109)

Qualification	Undergraduate
Module credits	0.00
Programmes	Higher Certificate Sport Science Education BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching Higher Certificate Sport Science Education

Language of tuition	Module is presented in English
Department	Education Deans Office
Period of presentation	Year

Methodology of Afrikaans 410 (VAF 410)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	Proven competence as prescribed by the Department.
Contact time	60 lectures per year, 12 tutorials per year
Language of tuition	Module is presented in Afrikaans
Department	Humanities Education
Period of presentation	Year

Module content

Afrikaans Language teaching is a unique specialization that offers the specific language at either home language, first additional language or second additional language entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Methodology of African languages 410 (VAT 410)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	Proven competence as prescribed by the Department.
Contact time	12 tutorials per year, 60 lectures per year
Language of tuition	Module presented in English and African Language
Department	Humanities Education
Period of presentation	Year

Module content

African Language teaching is a unique specialization that offers the specific language at either home language, first additional language or second additional language entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Methodology of Business studies 410 (VBT 410)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	12 tutorials per year, 60 lectures per year
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

Business Studies teaching entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Methodology of dance studies 410 (VDD 410)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	60 lectures per year, 12 tutorials per year
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

Dance Studies teaching entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Methodology of Dramatic Arts 410 (VDU 410)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	60 lectures per year, 12 tutorials per year
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

Dramatic Arts teaching entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Methodology of Economics 410 (VEK 410)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	12 tutorials per year, 60 lectures per year
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

Economics teaching entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Methodology of English 410 (VES 410)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	Proven competence as prescribed by the Department.
Contact time	12 tutorials per year, 60 lectures per year
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

English teaching is a unique specialization that offers the specific language at either home language, first additional language or second additional language entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Methodology of Foreign Languages 400 (VFL 400)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	Proven competence as prescribed by the Department.
Contact time	12 tutorials per year, 60 lectures per year
Language of tuition	Afrikaans and English are used in one class
Department	Humanities Education
Period of presentation	Year

Module content

Foreign Language teaching is a unique specialization that offers the specific language at either home language, first additional language or second additional language entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Methodology of Geography 410 (VGG 410)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	12 tutorials per year, 60 lectures per year
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

Geography teaching entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Methodology of History 410 (VGS 410)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	12 tutorials per year, 60 lectures per year
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

History teaching entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Methodology of Hospitality Studies 410 (VHS 410)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	12 tutorials per year, 60 lectures per year
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

Hospitality studies teaching entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Methodology of Consumer Studies 410 (VHT 410)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	60 lectures per year, 12 tutorials per year
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

Consumer Studies teaching entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Methodology of Life orientation 410 (VLT 410)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	60 lectures per year, 12 tutorials per year
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

Life Orientation teaching entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Methodology of Life sciences 410 (VLW 410)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	60 lectures per year, 12 tutorials per year
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Year

Module content

Life Sciences teaching entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Methodology of Music 410 (VMU 410)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	60 lectures per year, 12 tutorials per year
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

Music teaching entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Methodology of Physical Sciences 410 (VNS 410)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	60 lectures per year, 12 tutorials per year
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Year

Module content

Physical Sciences teaching entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Methodology of Accounting 410 (VRK 410)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	60 lectures per year, 12 tutorials per year
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Year

Module content

Accounting teaching entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Methodology of Tourism 410 (VTO 410)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	60 lectures per year, 12 tutorials per year
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

Tourism teaching entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Methodology of Visual arts 410 (VVK 410)

Qualification	Postgraduate
Module credits	20.00
Programmes	PGCE Further Education and Training Teaching PGCE Further Education and Training Teaching PGCE Senior Phase and Further Education and Training Teaching
Prerequisites	As per PGCE entrance requirements.
Contact time	12 tutorials per year, 60 lectures per year
Language of tuition	Module is presented in English
Department	Humanities Education
Period of presentation	Year

Module content

Visual Arts teaching entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Methodology of Mathematics 411 (VWS 411)

Qualification	Postgraduate
Module credits	20.00
Prerequisites	As per PGCE entrance requirements.
Contact time	60 lectures per year, 12 tutorials per year
Language of tuition	Module is presented in English
Department	Science Mathematics and Technology Education
Period of presentation	Year

Module content

Mathematics teaching entails a thorough overview of the learning content with specific focus on practical application as prescribed by the CAPS and the National Curriculum Statement documents. Student-teachers must develop sound teaching practice skills (micro-teaching), curriculum differentiation, content and teaching plans (CAPS) and appropriate informal, formal assessment of content as well as recording, reporting and moderation of assessment.

Research report 733 (WEM 733)

Qualification	Postgraduate
Module credits	16.00
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Semester 2

Module content

Supervised research project of limited scope. Research proposal development; use of quantitative and/or qualitative methods. Writing a research report.

Part 2: Research report: Values-driven education 781 (WEM 781)

Qualification	Postgraduate
Module credits	16.00
Programmes	BEdHons Education Management, Law and Policy BEdHons BEdHons Education Management, Law and Policy
Prerequisites	NMQ 755
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	Education Management and Policy Studies
Period of presentation	Semester 2

Module content

Supervised research project of limited scope. Research proposal development; use of quantitative and/or qualitative methods. Writing a research report.

Climate and weather of Southern Africa 164 (WKD 164)

Qualification	Undergraduate
Module credits	8.00
Programmes	BSc Chemistry BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education Faculty of Humanities
Prerequisites	No prerequisites.
Contact time	4 lectures per week
Language of tuition	Module is presented in English

Department	Geography Geoinformatics and Meteorology
Period of presentation	Quarter 4

Module content

An introduction to the climate and general seasonal climatic circulation patterns of Southern Africa. Basic weather types and weather processes within the Southern African context. Interpretation of synoptic maps and synoptic station reports. Impacts of climate change and extreme climate events on society.
*BSc (Geography) and BSc (Environmental Sciences) students may register for WKD 155. Students are not allowed to earn credits for both WKD 155 and WKD 164.

Calculus 114 (WTW 114)

Qualification	Undergraduate
Module credits	16.00
Programmes	BCom Statistics BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Economic and Management Sciences Faculty of Humanities
Prerequisites	60% for Mathematics in Grade 12
Contact time	4 lectures per week, 1 tutorial per week
Language of tuition	Module is presented in English
Department	Mathematics and Applied Mathematics
Period of presentation	Semester 1

Module content

*This module serves as preparation for students majoring in Mathematics (including all students who intend to enrol for WTW 218 and WTW 220). Students will not be credited for more than one of the following modules for their degree: WTW 114, WTW 158, WTW 134, WTW 165.
Functions, limits and continuity. Differential calculus of single variable functions, rate of change, graph sketching, applications. The mean value theorem, the rule of L'Hospital. Definite and indefinite integrals, evaluating definite integrals using anti-derivatives, the substitution rule.

Mathematics 124 (WTW 124)

Qualification	Undergraduate
Module credits	16.00
Programmes	BSc Extended programme - Mathematical Sciences BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Economic and Management Sciences

Prerequisites	WTW 114
Contact time	1 tutorial per week, 4 lectures per week
Language of tuition	Module is presented in English
Department	Mathematics and Applied Mathematics
Period of presentation	Semester 2

Module content

*Students will not be credited for more than one of the following modules for their degree:
WTW 124, WTW 146, WTW 148 and WTW 164. This module serves as preparation for students majoring in Mathematics (including all students who intend to enrol for WTW 218, WTW 211 and WTW 220).

The vector space Rn, vector algebra with applications to lines and planes, matrix algebra, systems of linear equations, determinants. Complex numbers and factorisation of polynomials. Integration techniques and applications of integration. The formal definition of a limit. The fundamental theorem of Calculus and applications. Vector functions, polar curves and quadratic curves.

Precalculus 133 (WTW 133)

Qualification	Undergraduate
Module credits	8.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Economic and Management Sciences
Prerequisites	BSc Extended programme - Mathematical Sciences: 60% for Mathematics in Grade 12 Other BSc Extended programmes: 50% for Mathematics Grade 12 BCom Extended programme: 40% for Mathematics in Grade 12 BEd programmes: 50% for Mathematics Grade 12
Contact time	1 practical per week, Foundation Course, 3 lectures per week, 1 tutorial per week
Language of tuition	Module is presented in English
Department	Mathematics and Applied Mathematics
Period of presentation	Semester 1

Module content

Real numbers, elementary set notation, exponents and radicals. Algebraic expressions, fractional expressions, linear and quadratic equations, inequalities. Coordinate geometry: lines, circles. Functions: definition, notation, piecewise defined functions, domain and range, graphs, transformations of functions, symmetry, even and odd functions, combining functions, one-to-one functions and inverses, polynomial functions and zeros. Sequences, summation notation, arithmetic, geometric sequences, infinite geometric series, annuities and instalments. Degrees and radians, unit circle, trigonometric functions, fundamental identities, trigonometric graphs, trigonometric identities, double-angle, half-angle formulae, trigonometric equations, applications.

This module is offered at the Mamelodi Campus to students from the BSc and BCom Extended programmes. At the Groenkloof Campus it is offered to BEd students.

Mathematics 134 (WTW 134)

Qualification	Undergraduate
Module credits	16.00
Programmes	BCom Statistics BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Veterinary Science
Prerequisites	50% for Mathematics in Grade 12
Contact time	4 lectures per week, 1 tutorial per week
Language of tuition	Module is presented in English
Department	Mathematics and Applied Mathematics
Period of presentation	Semester 1

Module content

**Students will not be credited for more than one of the following modules for their degree: WTW 134, WTW 165, WTW 114, WTW 158. WTW 134 does not lead to admission to Mathematics at 200 level and is intended for students who require Mathematics at 100 level only. WTW 134 is offered as WTW 165 in the second semester only to students who have applied in the first semester of the current year for the approximately 65 MBChB, or the 5-6 BChD places becoming available in the second semester and who were therefore enrolled for MGW 112 in the first semester of the current year.*

Functions, derivatives, interpretation of the derivative, rules of differentiation, applications of differentiation, integration, interpretation of the definite integral, applications of integration. Matrices, solutions of systems of equations. All topics are studied in the context of applications.

Calculus 143 (WTW 143)

Qualification	Undergraduate
Module credits	8.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching

Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Economic and Management Sciences
Prerequisites	BSc Extended programme and BEd programmes: WTW 133 BCom Extended programme: Students with WST 133 concurrently with WTW 143: WTW 133. Students with STK 133 concurrently with WTW 143: at least 65% for WTW 133.
Contact time	3 lectures per week, Foundation Course, 1 tutorial per week
Language of tuition	Module is presented in English
Department	Mathematics and Applied Mathematics
Period of presentation	Semester 2

Module content

Functions: exponential and logarithmic functions, natural exponential and logarithmic functions, exponential and logarithmic laws, exponential and logarithmic equations, compound interest. Limits: concept of a limit, finding limits numerically and graphically, finding limits algebraically, limit laws without proofs, squeeze theorem without proof, one-sided limits, infinite limits, limits at infinity, vertical, horizontal and slant asymptotes, substitution rule, continuity, laws for continuity without proofs. Differentiation: average and instantaneous change, definition of derivative, differentiation rules without proofs, derivatives of polynomials, chain rule for differentiation, derivatives of trigonometric, exponential and logarithmic functions, applications of differentiation: extreme values, critical numbers, monotone functions, first derivative test, optimisation.

Linear algebra 146 (WTW 146)

Qualification	Undergraduate
Module credits	8.00
Programmes	BCom Statistics BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Economic and Management Sciences
Prerequisites	50% for Mathematics in Grade 12
Contact time	1 tutorial per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Mathematics and Applied Mathematics
Period of presentation	Semester 2

Module content

*Students will not be credited for more than one of the following modules for their degree:
WTW 124, WTW 146 and WTW 164. The module WTW 146 is designed for students who require Mathematics at 100 level only and does not lead to admission to Mathematics at 200 level.

Vector algebra, lines and planes, matrix algebra, solution of systems of equations, determinants. Complex numbers and polynomial equations. All topics are studied in the context of applications.

Calculus 148 (WTW 148)

Qualification	Undergraduate
Module credits	8.00
Programmes	BCom Statistics BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Economic and Management Sciences
Prerequisites	WTW 114 GS or WTW 134 GS
Contact time	2 lectures per week, 1 tutorial per week
Language of tuition	Module is presented in English
Department	Mathematics and Applied Mathematics
Period of presentation	Semester 2

Module content

*Students will not be credited for more than one of the following modules for their degree:
WTW 124, WTW 148 and WTW 164. The module WTW 148 is designed for students who require Mathematics at 100 level only and does not lead to admission to Mathematics at 200 level.

Integration techniques. Modelling with differential equations. Functions of several variables, partial derivatives, optimisation. Numerical techniques. All topics are studied in the context of applications.

Calculus 153 (WTW 153)

Qualification	Undergraduate
Module credits	8.00
Programmes	BEd Senior Phase and Further Education and Training Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Economic and Management Sciences
Prerequisites	WTW 143
Contact time	Foundation Course, 1 tutorial per week, 3 lectures per week
Language of tuition	Module is presented in English
Department	Mathematics and Applied Mathematics
Period of presentation	Semester 1

Module content

Differential calculus of a single variable with proofs and applications. The mean value theorem, the rule of L'Hospital. Upper and lower sums, definite and indefinite integrals, the Fundamental theorem of Calculus, the mean value theorem for integrals, integration techniques, with some proofs.

Mathematics 165 (WTW 165)

Qualification	Undergraduate
Module credits	16.00
Programmes	BVSc
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Economic and Management Sciences Faculty of Veterinary Science
Prerequisites	50% for Mathematics in Grade 12 and MGW 112# or registered for BVSc
Contact time	1 tutorial per week, 4 lectures per week
Language of tuition	Module is presented in English
Department	Mathematics and Applied Mathematics
Period of presentation	Semester 2

Module content

*Students will not be credited for more than one of the following modules for their degree: WTW 134, WTW 165, WTW 114, WTW 158. WTW 165 does not lead to Mathematics at 200 level and is intended for students who require Mathematics at 100 level only. WTW 165 is offered in English in the second semester only to students who have applied in the first semester of the current year for the approximately 65 MBChB, or the 5-6 BChD places becoming available in the second semester and who were therefore enrolled for MGW 112 in the first semester of the current year.

Functions, derivatives, interpretation of the derivative, rules of differentiation, applications of differentiation, integration, interpretation of the definite integral, applications of integration, matrices, solutions of systems of equations. All topics are studied in the context of applications.

Linear algebra 211 (WTW 211)

Qualification	Undergraduate
Module credits	12.00
Programmes	BSc Meteorology BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Economic and Management Sciences
Prerequisites	WTW 124
Contact time	2 lectures per week, 1 tutorial per week
Language of tuition	Module is presented in English
Department	Mathematics and Applied Mathematics
Period of presentation	Semester 1

Module content

This is an introduction to linear algebra on Rn. Matrices and linear equations, linear combinations and spans, linear independence, subspaces, basis and dimension, eigenvalues, eigenvectors, similarity and diagonalisation of matrices, linear transformations.

Calculus 218 (WTW 218)

Qualification	Undergraduate
Module credits	12.00
Programmes	BSc Chemistry BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Economic and Management Sciences
Prerequisites	WTW 114 and WTW 124
Contact time	2 lectures per week, 1 tutorial per week
Language of tuition	Module is presented in English
Department	Mathematics and Applied Mathematics
Period of presentation	Semester 1

Module content

Calculus of multivariable functions, directional derivatives. Extrema and Lagrange multipliers. Multiple integrals, polar, cylindrical and spherical coordinates.

Analysis 220 (WTW 220)

Qualification	Undergraduate
Module credits	12.00
Programmes	BSc Chemistry BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Economic and Management Sciences
Prerequisites	WTW 114 and WTW 124, WTW 211 and WTW 218
Contact time	2 lectures per week, 1 tutorial per week
Language of tuition	Module is presented in English
Department	Mathematics and Applied Mathematics
Period of presentation	Semester 2

Module content

Properties of real numbers. Analysis of sequences and series of real numbers. Power series and theorems of convergence. The Bolzano-Weierstrass theorem. The intermediate value theorem and analysis of real-valued functions on an interval. The Riemann integral: Existence and properties of the interval.

Linear algebra 221 (WTW 221)

Qualification	Undergraduate
Module credits	12.00
Programmes	BSc Actuarial and Financial Mathematics
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Economic and Management Sciences
Prerequisites	WTW 211 and WTW 218
Contact time	2 lectures per week, 1 tutorial per week
Language of tuition	Module is presented in English
Department	Mathematics and Applied Mathematics
Period of presentation	Semester 2

Module content

Abstract vector spaces, change of basis, matrix representation of linear transformations, orthogonality, diagonalisability of symmetric matrices, some applications.

Vector analysis 248 (WTW 248)

Qualification	Undergraduate
Module credits	12.00
Programmes	BSc Mathematical Statistics BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	WTW 218
Contact time	1 tutorial per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Mathematics and Applied Mathematics
Period of presentation	Semester 2

Module content

Vectors and geometry. Calculus of vector functions with applications to differential geometry, kinematics and dynamics. Vector analysis, including vector fields, line integrals of scalar and vector fields, conservative vector fields, surfaces and surface integrals, the Theorems of Green, Gauss and Stokes with applications.

Analysis 310 (WTW 310)

Qualification	Undergraduate
Module credits	18.00
Programmes	BSc Actuarial and Financial Mathematics
Service modules	Faculty of Education Faculty of Economic and Management Sciences Faculty of Humanities
Prerequisites	WTW 220
Contact time	2 lectures per week, 1 tutorial per week
Language of tuition	Afrikaans and English are used in one class
Department	Mathematics and Applied Mathematics
Period of presentation	Semester 1

Module content

Topology of finite dimensional spaces: Open and closed sets, compactness, connectedness and completeness. Theorems of Bolzano-Weierstrass and Heine-Borel. Properties of continuous functions and applications. Integration theory for functions of one real variable. Sequences of functions.

Complex analysis 320 (WTW 320)

Qualification	Undergraduate
Module credits	18.00
Programmes	BSc Actuarial and Financial Mathematics
Service modules	Faculty of Education
Prerequisites	WTW 218 and WTW 220
Contact time	1 tutorial per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Mathematics and Applied Mathematics
Period of presentation	Semester 2

Module content

Series of functions, power series and Taylor series. Complex functions, Cauchy- Riemann equations, Cauchy's theorem and integral formulas. Laurent series, residue theorem and calculation of real integrals using residues.

Algebra 381 (WTW 381)

Qualification	Undergraduate
Module credits	18.00
Programmes	BSc Mathematical Statistics

Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Economic and Management Sciences Faculty of Humanities
Prerequisites	WTW 114 and WTW 211
Contact time	1 tutorial per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Mathematics and Applied Mathematics
Period of presentation	Semester 1

Module content

Group theory: Definition, examples, elementary properties, subgroups, permutation groups, isomorphism, order, cyclic groups, homomorphisms, factor groups. Ring theory: Definition, examples, elementary properties, ideals, homomorphisms, factor rings, polynomial rings, factorisation of polynomials. Field extensions, applications to straight-edge and compass constructions.

Dynamical systems 382 (WTW 382)

Qualification	Undergraduate
Module credits	18.00
Programmes	BSc Actuarial and Financial Mathematics
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Economic and Management Sciences
Prerequisites	WTW 218 and WTW 286/264
Contact time	2 lectures per week, 1 tutorial per week
Language of tuition	Afrikaans and English are used in one class
Department	Mathematics and Applied Mathematics
Period of presentation	Semester 1

Module content

Matrix exponential function: homogeneous and non-homogeneous linear systems of differential equations. Qualitative analysis of systems: phase portraits, stability, linearisation, energy method and Liapunov's method. Introduction to chaotic systems. Application to real life problems.

Partial differential equations 386 (WTW 386)

Qualification	Undergraduate
Module credits	18.00
Programmes	BSc Actuarial and Financial Mathematics
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education

Prerequisites	WTW 248 and WTW 286/264
Contact time	2 lectures per week, 1 tutorial per week
Language of tuition	Afrikaans and English are used in one class
Department	Mathematics and Applied Mathematics
Period of presentation	Semester 1

Module content

Conservation laws and modelling. Fourier analysis. Heat equation, wave equation and Laplace's equation. Solution methods including Fourier series. Energy and other qualitative methods.

Geometry 389 (WTW 389)

Qualification	Undergraduate
Module credits	18.00
Programmes	BSc Mathematical Statistics BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Humanities
Prerequisites	WTW 211
Contact time	1 tutorial per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	Mathematics and Applied Mathematics
Period of presentation	Semester 2

Module content

Axiomatic development of neutral, Euclidean and hyperbolic geometry. Using models of geometries to show that the parallel postulate is independent of the other postulates of Euclid.

Animal diversity 161 (ZEN 161)

Qualification	Undergraduate
Module credits	8.00
Programmes	BSc Chemistry BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education Faculty of Veterinary Science
Prerequisites	MLB 111 GS or permission from the HOD.
Contact time	2 lectures per week, fortnightly practicals
Language of tuition	Module is presented in English
Department	Zoology and Entomology

Period of presentation	Semester 2

Module content

Animal classification, phylogeny, organization and terminology. Evolution of the various animal phyla, morphological characteristics and life cycles of parasitic and non-parasitic animals. Structure and function of reproductive, respiratory, excretory, circulatory and digestive systems.

Invertebrate biology 251 (ZEN 251)

Qualification	Undergraduate
Module credits	12.00
Programmes	BSc Human Physiology BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education
Prerequisites	ZEN 161 GS or permission from the HOD.
Contact time	4 lectures per week, 1 practical per week
Language of tuition	Module is presented in English
Department	Zoology and Entomology
Period of presentation	Quarter 1

Module content

Origin and extent of modern invertebrate diversity; parasites of man and domestic animals; biology and medical importance of arachnids; insect life styles; the influence of the environment on insect life histories; insect phytophagy, predation and parasitism; insect chemical, visual, and auditory communication; freshwater invertebrates and their use as biological indicators.

African vertebrates 261 (ZEN 261)

Qualification	Undergraduate
Module credits	12.00
Programmes	BSc Human Physiology BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education
Prerequisites	ZEN 161 GS or permission from the HOD.
Contact time	4 lectures per week, 1 practical per week
Language of tuition	Module is presented in English
Department	Zoology and Entomology
Period of presentation	Quarter 3

Module content

Introduction to general vertebrate diversity; African vertebrate diversity; vertebrate structure and function; vertebrate evolution; vertebrate relationships; aquatic vertebrates; terrestrial ectotherms; terrestrial endotherms; vertebrate characteristics; classification; structural adaptations; habits; habitats; conservation problems; impact of humans on other vertebrates.

Population ecology 351 (ZEN 351)

Qualification	Undergraduate
Module credits	18.00
Programmes	BSc Environmental Sciences
Service modules	Faculty of Education
Prerequisites	No prerequisites.
Contact time	2 practicals per week, 4 lectures per week
Language of tuition	Module is presented in English
Department	Zoology and Entomology
Period of presentation	Quarter 1

Module content

Scientific approach to ecology; evolution and ecology; the individual and its environment; population characteristics and demography; competition; predation; plant-herbivore interactions; regulation of populations; population manipulation.

Mammalogy 352 (ZEN 352)

Qualification	Undergraduate
Module credits	18.00
Programmes	BSc Genetics
Service modules	Faculty of Education
Prerequisites	No prerequisites.
Contact time	2 practicals per week, 4 lectures per week
Language of tuition	Module is presented in English
Department	Zoology and Entomology
Period of presentation	Quarter 1

Module content

Mammalian origins and their characteristics: evolution of African mammals; structure and function: integument, support and movement; foods and feeding; environmental adaptations; reproduction; behaviour; ecology and biogeography; social behaviour; sexual selection; parental care and mating systems; community ecology; zoogeography. Special topics: parasites and diseases; domestication and domesticated mammals; conservation.

Community ecology 353 (ZEN 353)

Qualification	Undergraduate
Module credits	18.00
Programmes	BSc Environmental Sciences
Service modules	Faculty of Education
Prerequisites	ZEN 351 (50%) (Note: Prerequisite not applicable to students enrolled for a dual major in Zoology and Plant Science).
Contact time	4 lectures per week, 2 practicals per week
Language of tuition	Module is presented in English
Department	Zoology and Entomology
Period of presentation	Quarter 4

Module content

The scientific approach; characteristics of the community; the community as a superorganism; community changes; competition as a factor determining community structure; disturbance as a determinant of community structure; community stability; macroecological environmental gradients and communities. A field trip will be conducted during the September vacation to the Sani Pass region of the Maloti-Drakensberg Mountains.

Evolutionary physiology 354 (ZEN 354)

Qualification	Undergraduate
Module credits	18.00
Programmes	BSc Genetics
Service modules	Faculty of Education
Prerequisites	No prerequisites.
Contact time	4 lectures per week, 2 practicals per week
Language of tuition	Module is presented in English
Department	Zoology and Entomology
Period of presentation	Quarter 2

Module content

This module focuses on the integration of physiological systems in the context of animal form and function, and the ways in which evolution shapes the physiological processes that determine the energy, water and nutrient fluxes between animals and their environments. Topics covered include: (i) circulation, gas exchange and excretion; (ii) nutritional ecology; (iii) osmoregulation and thermoregulation; and (iv) reproductive physiology. The major focus of this module is to understand the major sources of physiological diversity, namely scaling, phylogenetic inertia, adaptation and phenotypic plasticity, and applying this knowledge to conceptually link physiological processes at the cellular level to macrophysiological patterns at a global scale.

Insect diversity 355 (ZEN 355)

Qualification	Undergraduate
Module credits	18.00
Programmes	BSc Plant Science
Service modules	Faculty of Education
Prerequisites	ZEN 251 GS or permission from the HOD.
Contact time	4 lectures per week, 2 practicals per week
Language of tuition	Module is presented in English
Department	Zoology and Entomology
Period of presentation	Quarter 1

Module content

The extent and significance of insect diversity. Functional insect morphology. The basic principles of taxonomy and the classification of taxa within the Insecta. Insect orders and economically and ecologically important Southern African insect families. Identification of insect orders and families using distinguishing characteristics. General biological and behavioural characteristics of each group. Grouping of insects into similar life-styles and habitats.

Physiological processes 361 (ZEN 361)

Qualification	Undergraduate
Module credits	18.00
Programmes	BSc Genetics
Service modules	Faculty of Education
Prerequisites	No prerequisites.
Contact time	4 lectures per week, 2 practicals per week
Language of tuition	Module is presented in English
Department	Zoology and Entomology
Period of presentation	Quarter 3

Module content

This module focuses on the means by which animals can sense and respond to the external and internal environment. Topics covered include: (i) the structure and function of biological membranes; (ii) neurons and nervous systems; (iii) sensing the environment; (iv) glands, hormones and regulation of development and growth; (v) muscles and animal movement and (vi) the initiation and control of behaviour. The implications of these physiological processes for animal conservation and management will be emphasised. A comparative approach will be adopted throughout the module to highlight the commonalities as well as the ways in which animal lineages have achieved similar functional outcomes from different structural adaptations.

Evolution and phylogeny 362 (ZEN 362)

Qualification	Undergraduate
Module credits	18.00
Programmes	BSc Entomology
Service modules	Faculty of Education
Prerequisites	No prerequisites.
Contact time	4 lectures per week, 2 practicals per week
Language of tuition	Module is presented in English
Department	Zoology and Entomology
Period of presentation	Quarter 3

Module content

Evolution as a process and pattern, prime movers in evolution: Selection, drift, general population genetics. Population differentiation, clines, subspecies and species, adaptation as a major force in evolution and the panglossian paradigm, molecular evolution. Phylogeography, phylogenetic reconstruction. Evolutionary biogeography. Adaptation, Darwin's formulation, proximate and ultimate causation, genetic and developmental constraints, optimality. Phenotypic models, the comparative method, convergent evolution. Evolution of complex biological systems, origin of life and sex, macro-evolution, punctuated equilibrium, human evolution. Levels of selection. Species concepts.

Behavioural ecology 363 (ZEN 363)

Qualification	Undergraduate
Module credits	18.00
Programmes	BSc Genetics
Service modules	Faculty of Education
Prerequisites	No prerequisites.
Contact time	2 practicals per week, 4 lectures per week
Language of tuition	Module is presented in English
Department	Zoology and Entomology
Period of presentation	Quarter 4

Module content

The history of behavioural ecology. A causal, developmental, evolutionary and adaptive approach. Sensory systems and communication. Sexual selection, mate choice and sperm competition. Kin selection and group living. Special reference to social insects. The behavioural ecology of humans. Phylogenetic basis of behavioural analysis. The role of behavioural ecology in conservation planning.

Conservation ecology 364 (ZEN 364)

Qualification	Undergraduate
Module credits	18.00

Programmes	BSc Plant Science
Service modules	Faculty of Education
Prerequisites	No prerequisites.
Contact time	4 lectures per week, 2 practicals per week
Language of tuition	Module is presented in English
Department	Zoology and Entomology
Period of presentation	Quarter 2

Module content

This module is intended to provide students with the skills and knowledge that are essential for the conservation of biodiversity. The module focuses on conservation theory and practice (e.g. endangered species, habitat loss, overexploitation, climate change), and has a practical component. The students will be actively involved in planning and executing field projects, and will be responsible for analysing and presenting the results. The students will gain valuable theoretical and practical experience in the field of conservation ecology by being exposed to a number of different taxa.

Applied entomology 365 (ZEN 365)

Qualification	Undergraduate
Module credits	18.00
Programmes	BSc Microbiology
Service modules	Faculty of Education
Prerequisites	No prerequisites.
Contact time	4 lectures per week, 2 practicals per week
Language of tuition	Module is presented in English
Department	Zoology and Entomology
Period of presentation	Quarter 4

Module content

*It is strongly recommended that students first complete ZEN 355: Insect diversity 355
Impact of insects on economies, human health and well-being. Protection of corps from insect herbivores through monitoring, forecasting and application of the principles of integrated pest management; epidemiology and modern developments in the control of insect vectors of human and animal diseases; insects as a tool in forensic investigations; ecological and economic significance of insect pollinators and current threats to their survival and health. Lecturers will be complemented by practical experiences that provide students with skills in the design, conduct, analysis, interpretation and reporting of applied entomological research.

isiZulu for beginners 110 (ZUL 110)

Qualification	Undergraduate
Module credits	12.00

Programmes	BDietetics BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education Faculty of Health Sciences
Prerequisites	No prerequisites.
Contact time	1 discussion class per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	African Languages
Period of presentation	Semester 1 and Semester 2

Module content

*For absolute beginners only
*Only students from the School of Healthcare Sciences may take this module during semester 2. All other students must take this module during semester 1. Students from the School of Healthcare Sciences, who already possess the language skills taught in this module, may write an exemption examination.
The acquisition of basic isiZulu communicative skills with emphasis on everyday expressions and suitable high frequency vocabulary, within specific situations.

Introduction to isiZulu grammar – Capita selecta 111 (ZUL 111)

Qualification	Undergraduate
Module credits	12.00
Programmes	BA Extended programme BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	No prerequisites.
Contact time	2 lectures per week
Language of tuition	Module is presented in isiZulu
Department	African Languages
Period of presentation	Semester 1

Module content

*For speakers of isiZulu as home language or first or second additional language.
Aspects of the grammar of isiZulu such as an introduction to the word categories; an introduction to the structure, meaning and use of the noun, the adjective, the relative, the possessive; the verb; writing and spelling rules; dictionaries and dictionary use; grammatical analysis.

isiZulu 120 (ZUL 120)

Qualification	Undergraduate
Module credits	12.00
Programmes	BA Extended programme BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education
Prerequisites	ZUL 110
Contact time	2 lectures per week, 1 discussion class per week
Language of tuition	Module is presented in English
Department	African Languages
Period of presentation	Semester 2

Module content

isiZulu - communication and grammar
The acquisition of more advanced communication skills in further social situations. More extensive vocabulary and more advanced language structures are acquired and used. Further awareness of the nature and function of language structures. Writing and spelling rules. Dictionaries and dictionary use. Reading and comprehension of basic texts

isiZulu 210 (ZUL 210)

Qualification	Undergraduate
Module credits	20.00
Programmes	BPolSci Political Studies BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education
Prerequisites	ZUL 110, ZUL 120
Contact time	1 discussion class per week, 2 lectures per week
Language of tuition	Afrikaans and English are used in one class
Department	African Languages
Period of presentation	Semester 1

Module content

isiZulu - communication and grammar
The acquisition of advanced communication skills in further social, occupational and educational situations. More extensive vocabulary and advanced language structures are acquired and used. Heightened awareness of the nature and function of language structures.
isiZulu - reading and writing
Writing of coherent, idiomatic and grammatically correct texts in order to impart ideas and information for a selected range of communicative purposes. Writing entails creative writing as well as reduplication. Reading and comprehension of texts which contain reasonably extensive vocabularies and a relatively large variation of language structures. Commence with the reading of fairly simple literary works. Students are also further trained in the use of the dictionary.

IsiZulu grammar – Capita selecta 211 (ZUL 211)

Qualification	Undergraduate
Module credits	20.00
Programmes	BPolSci Political Studies BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	ZUL 111, AFT 121
Contact time	2 lectures per week
Language of tuition	Module is presented in isiZulu
Department	African Languages
Period of presentation	Semester 1

Module content

Aspects of the grammar of isiZulu such as a continuation of the study of the word categories; grammatical analysis; the structure, meaning and use of the pronoun and the enumerative; an introduction to isiZulu speech sounds/phonetics.

isiZulu 220 (ZUL 220)

Qualification	Undergraduate
Module credits	20.00
Programmes	BPolSci Political Studies BEd Foundation Phase Teaching BEd Intermediate Phase Teaching BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Education
Prerequisites	ZUL 210

Contact time	2 lectures per week, 1 discussion class per week
Language of tuition	Afrikaans and English are used in one class
Department	African Languages
Period of presentation	Semester 2

Module content

isiZulu - communication, grammar, reading and writing
The further acquisition of advanced communication skills in further social, occupational and educational situations. More extensive vocabulary and advanced language structures are acquired and used. Heightened awareness of the nature and function of language structures. Continuation of the writing of coherent, idiomatic and grammatically correct texts in order to impart ideas and information for a range of communicative purposes. An introduction to isiZulu speech sounds/phonetics. Reading and comprehension of texts which contain more extensive vocabularies and a larger variation of language structures. Reading of further literary works.

isiZulu 310 (ZUL 310)

Qualification	Undergraduate
Module credits	30.00
Programmes	BPolSci Political Studies BEd Senior Phase and Further Education and Training Teaching
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
Prerequisites	ZUL 210, ZUL 220 will be required for students who completed ZUL 110, ZUL 120 at year level 1 and ZUL 211, AFT 220 will be required for students who completed ZUL 111, AFT 121 at year level 1
Contact time	1 discussion class per week, 2 lectures per week
Language of tuition	Module is presented in isiZulu
Department	African Languages
Period of presentation	Semester 1

Module content

isiZulu grammar - Capita selecta
Aspects of the grammar of isiZulu such as a continuation of the study of the word categories; grammatical analysis; more intensive study of the structure, meaning and use of the noun (specifically derived nouns) and verb (specifically moods and verbal extensions); an introduction to the sound changes/phonology of isiZulu. The acquisition and inculcation of advanced communicative skills within a larger number of social, occupational and educational situations. Awareness of the nature and function of language structures is heightened further. Attention is also paid to cultural phenomena.

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Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.